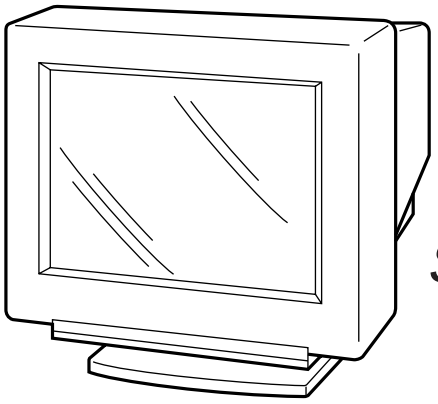
# GDM-17SE2T

# SERVICE MANUAL

**REVISED**



*US Model*
*Canadian Model*
*AEP Model*
*UK Model*

*Chassis No. SCC-J37A-A*

*S. Hemisphere Model*

*Chassis No. SCC-J75C-A*

## N-2 CHASSIS

### SPECIFICATIONS

| | |
|---|---|
| Picture tube | 0.25 mm aperture grille pitch<br>17 inches measured diagonally<br>90-degree deflection |
| Viewable image size | Approx. 327 × 241 mm (w/h)<br>(12 7/8 × 9 1/2 inches)<br>15.9" viewing image |
| Resolution | Horizontal: Max. 1280 dots<br>Vertical: Max. 1024 lines |
| Standard image area | Approx. 300 × 225 mm (w/h)<br>(11 7/8 × 8 7/8 inches)<br>or<br>Aprrox. 293 × 234 mm (w/h)<br>(11 5/8 × 9 1/4 inches) |
| Deflection frequency | Horizontal: 30 to 85 kHz<br>Vertical: 48 to 150 Hz |
| AC input voltage/current | 100 to 120 V, 50/60 Hz, 1.7 A<br>220 to 240 V, 50 – 60 Hz, 1.2 A |
| Power comsumption | Max. 140 W |
| Dimensions | 403.6 × 426.3 × 450 mm (w/h/d)<br>(16 × 16 7/8 × 17 3/4 inches) |
| Mass | Approx. 20 kg (44 lb) |

Design and specifications are subject to change without notice.

## TRINITRON® COLOR GRAPHIC DISPLAY

SONY®

MICROFILM

## POWER SAVING FUNCTION

This monitor is capable of three states of reduced power consumption. By sensing the absence of video signals and one or both sync signals coming from the host computer, it will reduce power consumption as follows.

| Power consumption state | Power consumption | Recovery time | power saving indicator | ⏻ power indicator |
|---|---|---|---|---|
| 1 Normal operation | ≤ 140 W | – | Off | Green on |
| 2 Standby (1st state) | ≤ 100 W | Approx. 3 sec. | Orange on | Green on |
| 3 Suspend (2nd state) | ≤ 15 W | Approx. 3 sec. | Orange on | Green on |
| 4 Active-off (3rd state) | ≤ 5 W | Approx. 10 sec. | Orange on | Off |
| 5 Power-off | 0 W | – | Off | Off |

## DIAGNOSIS

| Failure | Power Saving LED | Power LED |
|---|---|---|
| HV failure | Off | Blink Amber |
| Horizontal/Vertical deflection failure, thermal protector | Blink Amber | Off |
| ABL protector | Blink Amber | Blink Amber |
| Aging/Self Test | Off | Blink Amber, Off, Green and Off |

Aging Mode: Raster aging — During Power Save, press “OPTION” Key for longer than 2 seconds.
Self Test: OSD color-bar indication — During Power Save, press “CONTRAST+(**I**)” Key for longer than 2 seconds.

### TIMING SPECIFICATION

| PRIMARY MODE<br>MODE AT PRODUCTION | MODE1 | MODE2 | MODE3 | MODE4 | MODE5 | MODE6 | MODE7 | MODE8 | PRIMARY<br>MODE9 | MODE10 |
|---|---|---|---|---|---|---|---|---|---|---|
| RESOLUTION | 640 X 480 | 720 X 400 | 640 X 480 | 832 X 624 | 800 X 600 | 1024 X 768 | 1280 X 1024 | 1024 X 768 | 1152 X 870 | 1280 X 1024 |
| CLOCK | 25.175 MHz | 28.322 MHz | 36.000 MHz | 57.285 MHz | 56.250 MHz | 80.000 MHz | 108.500 MHz | 94.500 MHz | 100.000 MHz | 135.000 MHz |
| — HORIZONTAL — | | | | | | | | | | |
| H-FREQ | 31.469 kHz | 31.469 kHz | 43.269 kHz | 49.727 kHz | 53.674 kHz | 60.241 kHz | 63.974 kHz | 68.677 kHz | 68.681 kHz | 79.976 kHz |
| | usec | usec | usec | usec | usec | usec | usec | usec | usec | usec |
| H. TOTAL | 31.778 | 31.777 | 23.111 | 20.110 | 18.631 | 16.600 | 15.631 | 14.561 | 14.560 | 12.504 |
| H. BLK | 6.356 | 6.355 | 5.333 | 5.586 | 4.409 | 3.800 | 3.834 | 3.725 | 3.040 | 3.022 |
| H. FP | 0.636 | 0.636 | 1.556 | 0.559 | 0.569 | 0.550 | 0.590 | 0.508 | 0.320 | 0.119 |
| H. SYNC | 3.813 | 3.813 | 1.556 | 1.117 | 1.138 | 1.200 | 1.180 | 1.016 | 1.280 | 1.067 |
| H. BP | 1.907 | 1.907 | 2.222 | 3.910 | 2.702 | 2.050 | 2.065 | 2.201 | 1.440 | 1.837 |
| H. ACTIV | 25.422 | 25.422 | 17.778 | 14.524 | 14.222 | 12.800 | 11.797 | 10.836 | 11.520 | 9.481 |
| — VERTICAL — | | | | | | | | | | |
| V. FREQ(HZ) | 59.940 Hz | 70.087 Hz | 85.008 Hz | 74.553 Hz | 85.061 Hz | 74.927 Hz | 60.013 Hz | 84.997 Hz | 75.062 Hz | 75.025 Hz |
| | lines | lines | lines | lines | lines | lines | lines | lines | lines | lines |
| V. TOTAL | 525 | 449 | 509 | 667 | 631 | 804 | 1066 | 808 | 915 | 1066 |
| V. BLK | 45 | 49 | 29 | 43 | 31 | 36 | 42 | 40 | 45 | 42 |
| V. FP | 10 | 13 | 1 | 3 | 1 | 3 | 1 | 1 | 3 | 1 |
| V. SYNC | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| V. BP | 33 | 34 | 25 | 37 | 27 | 30 | 38 | 36 | 39 | 38 |
| V. ACTIV | 480 | 400 | 480 | 624 | 600 | 768 | 1024 | 768 | 870 | 1024 |
| — SYNC — | | | | | | | | | | |
| INT(G) | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| EXT(H/V)/POLARITY | YES N/N | YES N/P | YES N/N | YES N/N | YES P/P | YES N/N | YES P/P | YES P/P | YES N/N | YES P/P |
| EXT(CS) /POLARITY | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| INT/NON INT | NON INT | NON INT | NON INT | NON INT | NON INT | NON INT | NON INT | NON INT | NON INT | NON INT |

96.11.26 VER.

# SAFETY CHECK-OUT
# (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

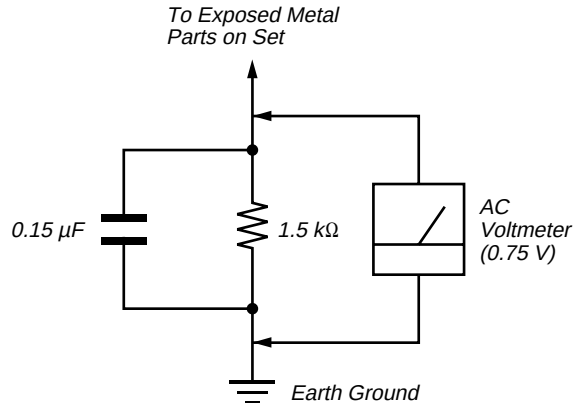



*Fig. A. Using an AC voltmeter to check AC leakage.*

## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

**WARNING!!**
**NEVER TURN ON THE POWER IN A CONDITION IN WHICH THE DEGAUSS COIL HAS BEEN REMOVED.**

**SAFETY-RELATED COMPONENT WARNING!!**
**COMPONENTS IDENTIFIED BY SHADING AND MARK ¡ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.**

**AVERTISSEMENT!!**
**NE JAMAIS METTRE SOUS TENSION QUAND LA BOBINE DE DEMAGNETISATION EST ENLEVÉE.**

**ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!**
**LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ¡ SONT CRITIQUES POUR LA SÉCURITÉ. NE LES REMPLACER QUE PAR UNE PIÈCE PORTANT LE NUMÉRO SPECIFIÉ. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNE-MENT EST SUSPECTÉ.**

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The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

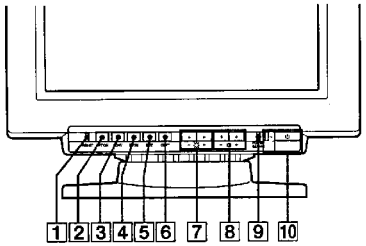
SECTION 1

GENERAL

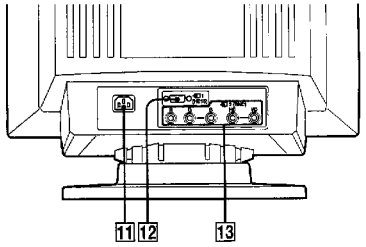
# Functions of Controls

See the given pages for further description.

**Front**




**Rear**




**1 RESET button (page 11)**
Press to reset the adjustment data to the factory-preset levels.

**2 OPTION button (page 9-11)**
Press to set the option items, such as control lock and color temperature.

**3 CONV (convergence) button (page 9)**
Press to adjust the vertical and horizontal convergence.

**4 GEOM (geometry) button (page 8)**
Press to adjust the rotation and pincushion.

**5 SIZE (picture size) button (page 8)**
Press to adjust the vertical and horizontal picture size.

**6 CENT (center) button (page 7)**
Press to adjust the vertical and horizontal picture position.

**7 ☼ (brightness) –/+ (↓/↑) buttons (page 7-11)**
Press to adjust the brightness.

–/+ (↓/↑) buttons also adjust the each item.

**8 ◑ (contrast) –/+ (←/→) buttons (page 7-11)**
Press to adjust the contrast.

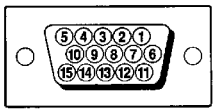
–/+ (←/→) buttons also adjust the each item.

**9 POWER SAVING indicator (page 12)**
Lights up when the monitor is in the Power Saving Modes.

**10 ⏻ power switch and indicator (page 12)**
Press to turn the monitor on or off. The indicator lights up when the monitor is turned on.

**11 AC IN connector**
Plug in an AC power cord.

**12 Video input 1 connector (HD15)**
The cable accepts RGB video signals (0.714 Vp-p, positive) and SYNC signals.




| Pin No. | Signal | Pin No. | Signal |
|---|---|---|---|
| 1 | Red | 8 | Blue Ground |
| 2 | Green (Composite Sync on Green) | 9 | DDC + 5V* |
| | | 10 | Ground |
| | | 11 | — |
| 3 | Blue | 12 | Bi-Directional Data (SDA)* |
| 4 | — | | |
| 5 | DDC Ground* | 13 | H. Sync |
| 6 | Red Ground | 14 | V. Sync |
| 7 | Green Ground | 15 | Data Clock(SCL)* |

* Display Data Channel (DDC) Standard by VESA

**13 Video input 2 connectors (5 BNC)**
The cable accepts RGB video signals (0.714 Vp-p, positive) and SYNC signals.



# Adjustments

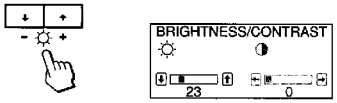
You can adjust the picture to your preference by following the procedure described below.
You can adjust all items on the OSD (On Screen Display).
The item being adjusted is indicated in white on the OSD.

Before adjusting the items, turn on the unit and connect a video cable to the computer/work station.

## Adjusting the Picture Brightness

The adjustment data becomes the common setting for all input signals received.

**1** Press the ☼ ↓/↑ button.
The "BRIGHTNESS/CONTRAST" OSD (On Screen Display) appears.




**2** Press the ☼ ↓/↑ buttons to adjust picture brightness.
↓ . . . for less brightness
↑ . . . for more brightness

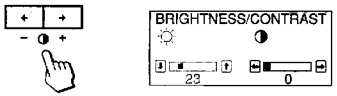
The "BRIGHTNESS/CONTRAST" OSD disappears 3 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

## Adjusting the Picture Contrast

The adjustment data becomes the common setting for all input signals received.

**1** Press the ◑ ←/→ button.
The "BRIGHTNESS/CONTRAST" OSD (On Screen Display) appears.




**2** Press the ◑ ←/→ button to adjust picture contrast.
← . . . for less contrast
→ . . . for more contrast

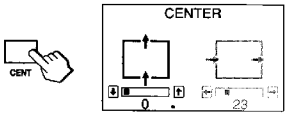
The "BRIGHTNESS/CONTRAST" OSD disappears 3 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

## Adjusting the Picture Centering

The adjustment data becomes the unique setting for the input signals received.

**1** Press the CENT button.
The "CENTER" OSD (On Screen Display) appears.




**2 For vertical adjustment**
Press the ☼ ↓/↑ buttons.

↓ . . . to move down
↑ . . . to move up

**For horizontal adjustment**
Press the ◑ ←/→ buttons.

← . . . to move left
→ . . . to move right

To erase the "CENTER" OSD, press the CENT button again. The "CENTER" OSD automatically disappears 10 seconds after you release the buttons.

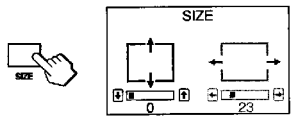
To reset, press the RESET button while the OSD is on.

EN

## Adjusting the Picture Size

The adjustment data becomes the unique setting for the input signals received.

**1** Press the SIZE button.
The "SIZE" OSD (On Screen Display) appears.




**2** **For vertical adjustment**
Press the ☼ ↓/↑ buttons.

↓ . . . to diminish
↑ . . . to enlarge

**For horizontal adjustment**
Press the ◑ ←/→ buttons.

← . . . to diminish
→ . . . to enlarge

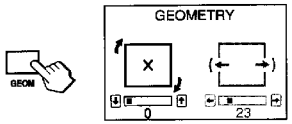
To erase the "SIZE" OSD, press the SIZE button again.
The "SIZE" OSD automatically disappears 10 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

## Adjusting the Picture Rotation

The adjustment data becomes the common setting for all input signals received.

**1** Press the GEOM button.
The "GEOMETRY" OSD (On Screen Display) appears.




**2** Press the ☼ ↓/↑ buttons.

↓ . . . to rotate counterclockwise
↑ . . . to rotate clockwise

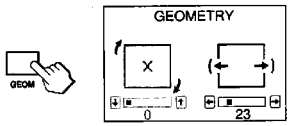
To erase the "GEOMETRY" OSD, press the GEOM button again.
The "GEOMETRY" OSD automatically disappears 10 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

## Adjusting the Pincushion

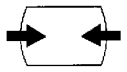
The adjustment data becomes the unique setting for the input signals received.

**1** Press the GEOM button.
The "GEOMETRY" OSD (On Screen Display) appears.

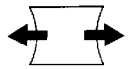



**2** Press the ◑ ←/→ buttons.

← . . . to diminish the picture sides



→ . . . to expand the picture sides



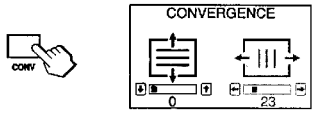
To erase the "GEOMETRY" OSD, press the GEOM button again.
The "GEOMETRY" OSD automatically disappears 10 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

## Adjusting the Convergence

The adjustment data becomes the common setting for all input signals received.

**1** Press the CONV button.
The "CONVERGENCE" OSD (On Screen Display) appears.




**2** **For vertical adjustment**
Press the ☼ ↓/ ↑ buttons.

↓ . . . to move Red down and Blue up
↑ . . . to move Red up and Blue down

**For horizontal adjustment**
Press the ◑ ←/→ buttons.

← . . . to move Red to the left and Blue to the right
→ . . . to move Red to the right and Blue to the left

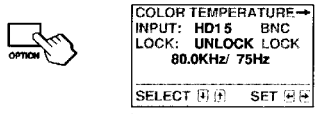
To erase the "CONVERGENCE" OSD, press the CONV button again.
The "CONVERGENCE" OSD automatically disappears 10 seconds after you release the buttons.

To reset, press the RESET button while the OSD is on.

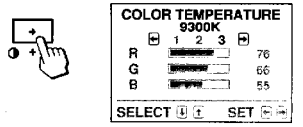
## Setting the Color Temperature

The selected color temperature becomes the common setting for all input signals.

**1** Press the OPTION button.
The OPTION OSD (On Screen Display) appears.




**2** Press the ◑ → button.
The "COLOR TEMPERATURE" OSD appears.



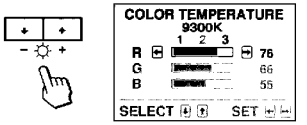

**3** Adjust with the ◑ ←/→ and ☼ ↓/↑ buttons.
There are three color temperature modes on the OSD. The factory settings are 1 : 5000K, 2 : 6500K, and 3 : 9300K.

**To select 5000K, 6500K or 9300K**
Press the ◑ ←/→ buttons.

**To obtain the desired color temperature**

**1** Press the ◑ ←/→ buttons to select the 1, 2 or 3 mode.

**2** Press the ☼ ↓/↑ buttons to select R, G or B.




**3** Press the ◑ ←/→ buttons to adjust the color temperature.

The "5000K," "6500K" or "9300K" disappears.
The color temperatures are memorized in the each mode-1, 2 and 3 until you reset each.

To erase the "COLOR TEMPERATURE" OSD, press the OPTION button again.
The OSD automatically disappears 30 seconds after you release the buttons.

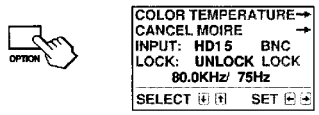
To reset, press the RESET button while the OSD is on.

EN

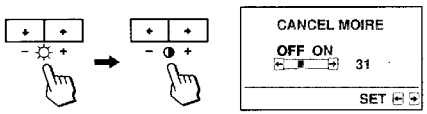
## Canceling the Moire (GDM-20SE2T only)

The adjustment data becomes the unique setting for the input signals received.

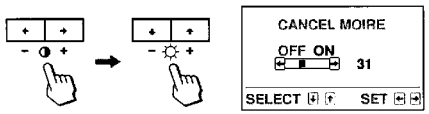
**1** Press the OPTION button.
The OPTION OSD (On Screen Display) appears.




**2** Press the ☼ ↓/↑ buttons to select "CANCEL MOIRE" and then press the ◑ ➡ button.




**3** Press the ◑ ⬅/➡ buttons to select "ON" and then press the ☼ ↓ button.




**4** Press the ◑ ⬅/➡ buttons to adjust for minimum moire.

To erase the "CANCEL MOIRE" OSD, press the OPTION button again.
The OSD automatically disappears 30 seconds after you release the buttons.

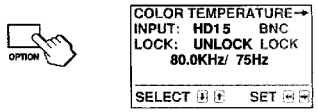
To reset, press the RESET button while the OSD is on.

**Note**
When the moire is cancelled, the picture may be fuzzy. Adjust the moire gradually from 0, and stop the adjustment as near to 0 as possible.

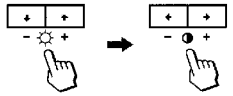
## Switching the Input Connector

As the monitor has two sets of input connectors, you can switch between two input video signals. It is necessary to select the connector type (HD15/5 BNC's) correctly according to the connection.

**1** Press the OPTION button.
The OPTION OSD (On Screen Display) appears.




**2** Press the ☼ ↓/↑ buttons to select "INPUT" and then press the ◑ ⬅/➡ button to select "HD15" or "BNC."



When you switch between input sources, the monitor screen is muted for a moment (Mute) then the signal through the selected input is displayed. If the selected input do not receive any video signals, the monitor automatically returns to the other input after Mute and the OPTION OSD appears.

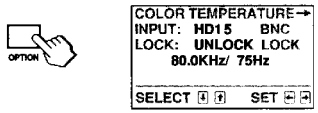
To erase the OPTION OSD, press the OPTION button again. The OSD automatically disappears 30 seconds after you release the buttons.

If two computers are connected to the monitor (one to each input), when one of the computers is turned on or restarted, or the monitor goes into power saving mode, the monitor may switch to the other input because the signal is temporarily interrupted. Select the input which you use, following the above steps.

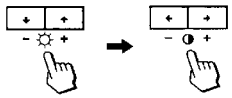
## Locking the Controls

This feature allows you to lock the monitor so that all the buttons, except the ⏻ power switch and OPTION button, on the front panel cannot be operated (Lock mode). Hence, your settings cannot be modified. With this function, you can ensure that your settings will remain the same even when the control buttons are exposed to others.
To release the Lock mode, set it to off (UNLOCK) position. Normally keep this function set to off (UNLOCK) position.

**1** Press the OPTION button.
The OPTION OSD (On Screen Display) appears.




**2** Press the ☼ ↓/↑ buttons to select "LOCK" and then press the ◑ ⬅/➡ buttons to select "LOCK."



The ☼ ↓/↑ buttons do not work on the OPTION OSD. The control buttons on the front panel except the OPTION button do not work. If you press any button except the ⏻ power switch and OPTION button, the 🔑 mark appears on the screen.

### To Cancel the Control Lock

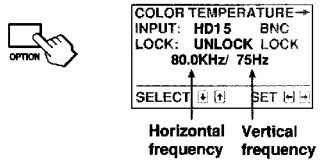
Press the OPTION button again.
Press the ◑ ⬅/➡ buttons to select "UNLOCK."

To erase the OPTION OSD, press the OPTION button again. The OSD automatically disappears 30 seconds after you release the buttons.

## Checking the Signal Frequency

It is possible to check the current vertical and horizontal frequencies of the input signal received.

Press the OPTION button.
The OPTION OSD (On Screen Display) appears.




## Resetting the Adjustment Data to Factory-preset Levels

### To reset an adjustment item

**If you want to reset the color temperature**
Select one of the three color temperature modes, (See "Setting the Color Temperature" on the page 9), and then press the RESET button before the OSD (On Screen Display) disappears.

**If you want to reset the other adjustment items**
Press the button of the adjustment item you want to reset, and then press the RESET button before the OSD (On Screen Display) disappears.

### To reset the brightness, contrast, size, center and pincushion adjustment data at once (for the received signal)

Press the RESET button with something like a coin for one second when no OSD is shown.

### To reset all adjustment data to factory-preset levels

Press and hold the RESET button for more than 2 seconds. All adjustment data including the brightness and contrast are reset to factory-preset levels.

EN

# Power Saving Function

This monitor is capable of 3 states of reduced power consumption.

By sensing the absence of one or both sync signals coming from the host computer, it will reduce power consumption as follows.

| Mode | State | Power consumption | Required resumption time | POWER SAVING indicator | ⏻ (power) indicator |
|---|---|---|---|---|---|
| 1 | Normal operation | ≤ 140 W | — | off | green on |
| 2 | Standby (1st step of power saving) | ≤ 100 W | approx. 3 sec. | orange on | green on |
| 3 | Suspend (2nd step of power saving) | ≤ 15 W | approx. 3 sec. | orange on | green on |
| 4 | Active-off (3rd step of power saving) | ≤ 5 W | approx. 10 sec. | orange on | off |
| 5 | Power-off | 0 W | — | off | off |

## Power Saving Operation

The H-sync is not present.
↓
The unit goes into standby state.
The V-sync is not present.
↓
The unit goes into suspend state.
Both the H-sync and V-sync are not present.
↓
The unit goes into active-off state.

The monitor requires a videocard or screen saver software which switches off one or both sync signals to activate the power saving function.

**Caution:** The Power Saving function will automatically put the monitor into the Active-off state if the power switch is turned on without any video signal input. Once the horizontal and vertical syncs are sensed, the monitor will automatically return to its Normal operation state.

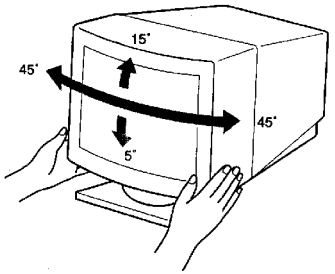
# Plug and Play

This monitor complies with the DDC™1, DDC2B and DDC2AB which are the Display Data Channel (DDC) standards of VESA.
When a DDC1 host system is connected, the monitor synchronizes with the V. CLK in accordance with the VESA standards and outputs the EDID (Extended Display Identification) to the data line.
When a DDC2B or DDC2AB host system is connected, the monitor automatically switches to each communication.

DDC™ is a trademark of Video Electronics Standard Association.

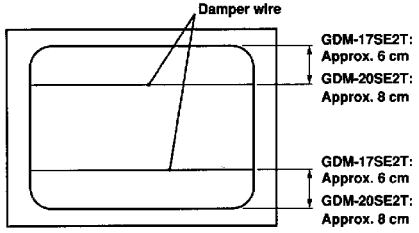
# Use of the Tilt-Swivel

With the tilt-swivel, this unit can be adjusted to be viewed at your desired angle within 90° horizontally and 20° vertically.
To turn the unit vertically and horizontally, hold it at its bottom with both hands as illustrated below.




# Damper Wire

Using a white background, very thin horizontal stripes on the screen are visible as shown below. These stripes are damper wires. These wires are attached to the aperture grille inside the Trinitron tube and are there to damp vibrations of the aperture grille in order to prevent them from influencing to the picture quality.




# Specifications

**GDM-17SE2T**

| | |
|---|---|
| Picture tube | 0.25 mm aperture grille pitch<br>17 inches measured diagonally<br>90-degree deflection |
| Viewable image size | Approx. 327 × 241 mm (w/h)<br>(12 7/8 × 9 1/2 inches)<br>15.9" viewing image |
| Resolution | Horizontal: Max. 1280 dots<br>Vertical: Max. 1024 lines |
| Standard image area | Approx. 300 × 225 mm (w/h)<br>(11 7/8 × 8 7/8 inches)<br>or<br>Aprrox. 293 × 234 mm (w/h)<br>(11 5/8 × 9 1/4 inches) |
| Deflection frequency | Horizontal: 30 to 85 kHz<br>Vertical: 48 to 150 Hz |
| AC input voltage/current | 100 to 120 V, 50/60 Hz, 1.7 A<br>220 to 240 V, 50 – 60 Hz, 1.2 A |
| Power comsumption | Max. 140 W |
| Dimensions | 403.6 × 426.3 × 450 mm (w/h/d)<br>(16 × 16 7/8 × 17 3/4 inches) |
| Mass | Approx. 20 kg (44 lb) |

**GDM-20SE2T**

| | |
|---|---|
| Picture tube | 0.25 mm aperture grille pitch<br>20 inches measured diagonally<br>90-degree deflection |
| Viewable image size | Approx. 387 × 292 mm (w/h)<br>(15 1/4 × 11 1/2 inches)<br>19.0" viewing image |
| Resolution | Horizontal: Max. 1600 dots<br>Vertical: Max. 1200 lines |
| Standard image area | Approx. 373 × 280 mm (w/h)<br>(14 3/4 × 11 1/8 inches)<br>or<br>Aprrox. 350 × 280 mm (w/h)<br>(13 7/8 × 11 1/8 inches) |
| Deflection frequency | Horizontal: 30 to 96 kHz<br>Vertical: 48 to 160 Hz |
| AC input voltage/current | 100 to 120 V, 50/60 Hz, 1.7 A<br>220 to 240 V, 50 – 60 Hz, 1.2 A |
| Power comsumption | Max. 150 W |
| Dimensions | 472 × 493.5 × 501 mm (w/h/d)<br>(18 5/8 × 19 1/2 × 19 3/4 inches) |
| Mass | Approx. 30 kg (66 lb 2 oz) |

Design and specifications are subject to change without notice.

# Troubleshooting

This section may help you isolate a problem and as a result, eliminate the need to contact technical support, allowing continued productivity.

**No picture**

➡ If neither the ⏻ (power) indicator nor the POWER SAVING indicator is not lit.
— Check that the power cord is properly connected.
— Check that the power switch is in the "on" position.

➡ If the POWER SAVING indicator is lit.
— Check that your computer power switch is in the "on" position.
— The monitor will recover when you press any key on the keyboard of the computer.
— Check that the video cable is properly connected and all plugs are firmly seated in their socket.
— Check that the 5 BNC's are connected in the right order (from power cord side: Red-Green-Blue-HD-VD).
— Ensure that no pins are bent or pushed in the HD15 connector of the cable.
— Check that the video card is seated completely in a proper bus slot.
— Check that the video frequency range is within that specified for the monitor.
— If using a Macintosh system, check that the Macintosh adapter and the video signal cable are properly connected.

➡ If the ⏻ (power) and/or the POWER SAVING indicators are both flashing.
— Turn the monitor off and on. If the indicator is off, the monitor is in the normal condition. If the indicator is still flashing, there is a potential monitor failure.

➡ If you do the above procedures and the monitor does not recover.
— Unplug the video cable (HD15/5 BNC's) then press and hold the ◑ + button for 2 seconds to display the color bars. Then, turn the monitor off and on by pressing the ⏻ power switch.
If the monitor does not recover, the monitor is out of order.

**Picture is scrambled**

➡ Check your graphics board manual for the proper monitor setting on your Multiscan 17seII/20seII.

➡ Check this manual and confirm that the graphic mode and the frequency at which you are trying to operate is supported. Even within the proper range some video boards may have a sync pulse that is too narrow for the monitor to sync correctly.

EN

# Troubleshooting

**Color is not uniform**

➡ Trip the ⏻ power switch once to activate the Auto-degauss cycle. This function is to demagnetize the metal frame of the CRT to obtain neutral field for uniform color reproduction. If a second degauss cycle is needed, allow a minimum interval of 20 minutes for the best result.

**You cannot adjust the monitor with the buttons on the front panel**

➡ If the control lock is set to on, set it to off using the OPTION OSD. (page 11)
You will be able to adjust the monitor.

**White does not look white**

➡ Adjust color temperature using the OPTION OSD. (page 9)

➡ Check that the 5 BNC's are connected in the right order (from power cord side: Red-Green-Blue-HD-VD).

**Screen image is not centered or sized properly**

➡ Adjust centering, size or geometry using the OSD. (page 7, 8)

➡ Some video modes do not fill the screen to the edge of the monitor. There is no single answer to solve the problem. There is a tendency to have this problem on higher refresh timings.

**Edges of the image are curved**

➡ Adjust pincushion using the OSD. (page 8)

**White lines show red or blue shades at edges**

➡ Adjust the convergence using the OSD. (page 9)

**Picture is fuzzy**

➡ Adjust the contrast and brightness using the OSD (page 7).

➡ Trip the ⏻ power switch once to activate the Auto-degauss cycle. This function demagnetizes the metal frame of the CRT to obtain neutral field for uniform color reproduction. If a second degauss cycle is needed, allow a minimum interval of 20 minutes for the best result.

➡ If red or blue shades are found at the edge of images, adjust convergence using the OSD. (page 9)

➡ (GDM-20SE2T only)
If the moire is cancelled on the OPTION OSD, the picture may be fuzzy.
— Select "OFF" on the OPTION OSD. (page 10)

**Picture bounces or has wavy oscillations**

➡ Isolate and eliminate any potential sources of electric or magnetic fields. Common causes for this symptom are electric fans, fluorescent lighting, laser printers, and so on.

➡ If you have another monitor close to this monitor, increase the distance between them to reduce the interference.

➡ Try plugging the monitor into a different AC outlet, preferably on a different circuit.

➡ Try the monitor on a completely different computer in a different room.

**Picture appears to be ghosting**

➡ Eliminate the use of video cable extension cable and/or video switch boxes if this symptom occurs. Excessive cable length or weak connection can produce this symptom.

**Two fine horizontal lines (wires) are visible**

➡ These wires stabilize the vertically striped Aperture Grille. This Aperture Grille allows more light to pass through to the screen giving the Trinitron CRT more color and brightness.

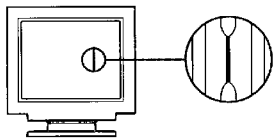
**Wavy or elliptical (moire) pattern is visible**

➡ Due to the relationship between resolution, monitor dot pitch and the pitch of some image patterns, certain screen backgrounds, especially gray, sometimes show moire. This can only be eliminated by changing your desktop pattern.

➡ (GDM-20SE2T only)
Cancel the moire using the OPTION OSD. (page 10)
May be modified according to the model.

**Because of vibration and shock during transportation, the aperture grille may occasionally slip out of place and black stripes may appear (GDM-20SE2T only)**

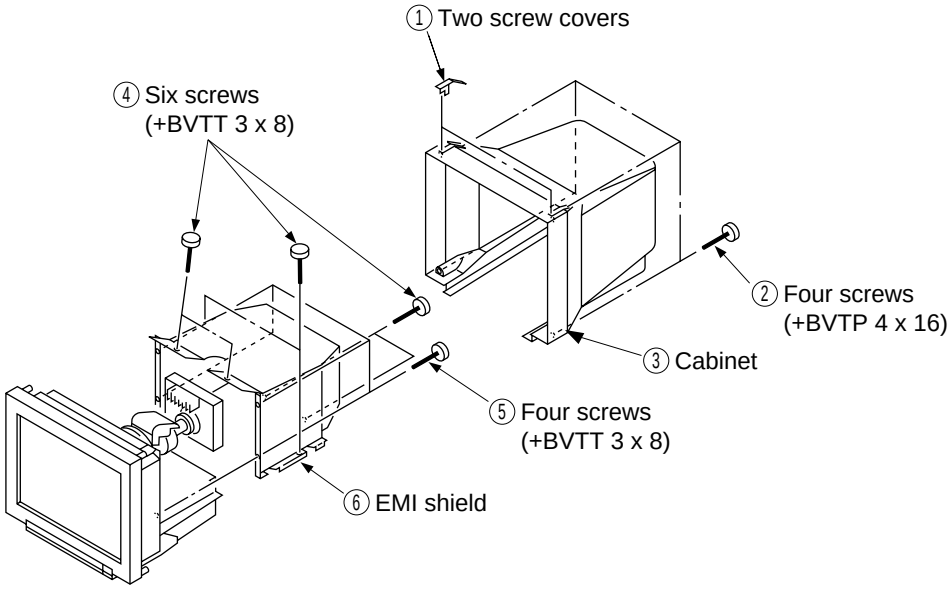
➡ Lightly pat the sides of the monitor.



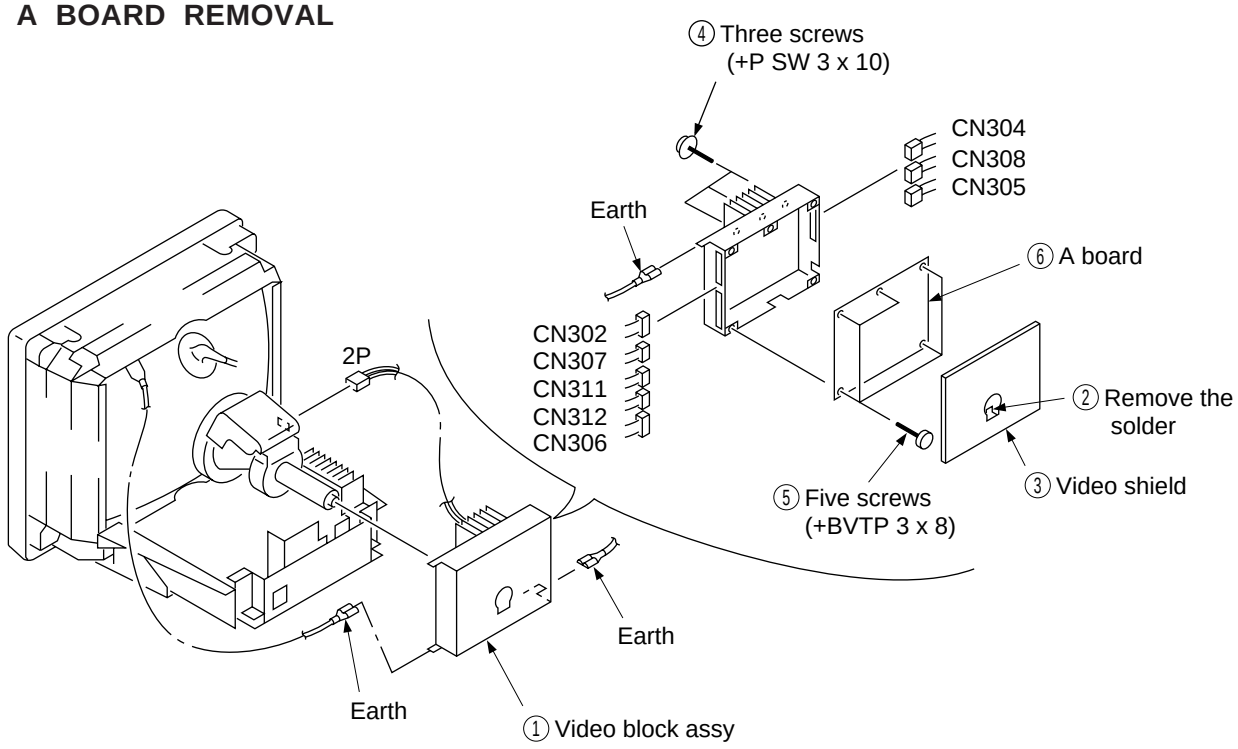
- If the problem persists, call your authorized Sony dealer from a location near your monitor.
- Note the model name and the serial number of your monitor. Also note the make and name of your computer and video board.

# SECTION 2
# DISASSEMBLY

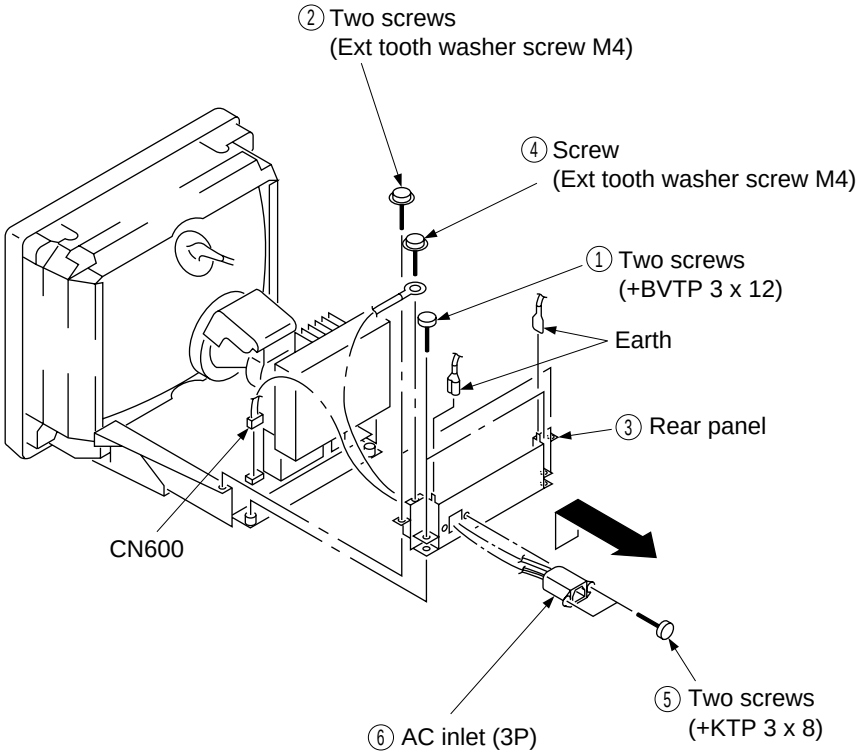
## 2-1. CABINET REMOVAL




## 2-2. A BOARD REMOVAL

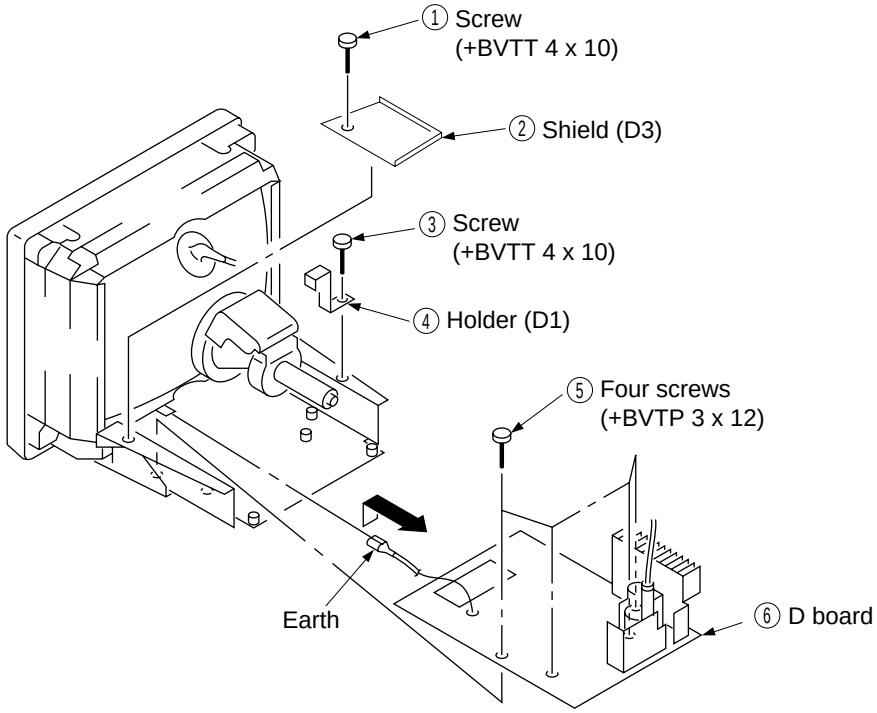


## 2-3. REAR PANEL REMOVAL



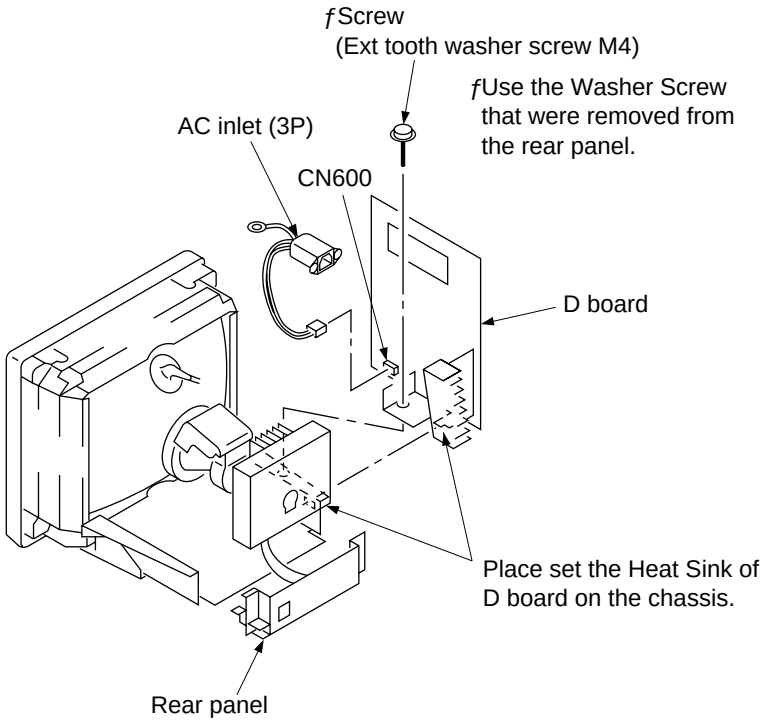

## 2-4. D BOARD REMOVAL

Remove the video block assy and rear panel. (Refer to 2-2, 2-3)

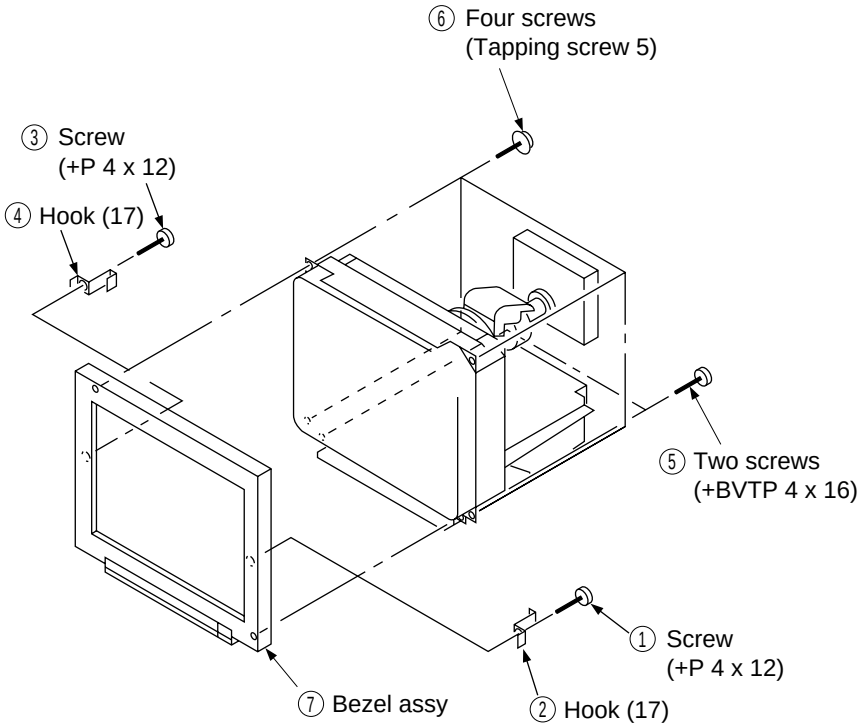


## 2-5. SERVICE POSITION

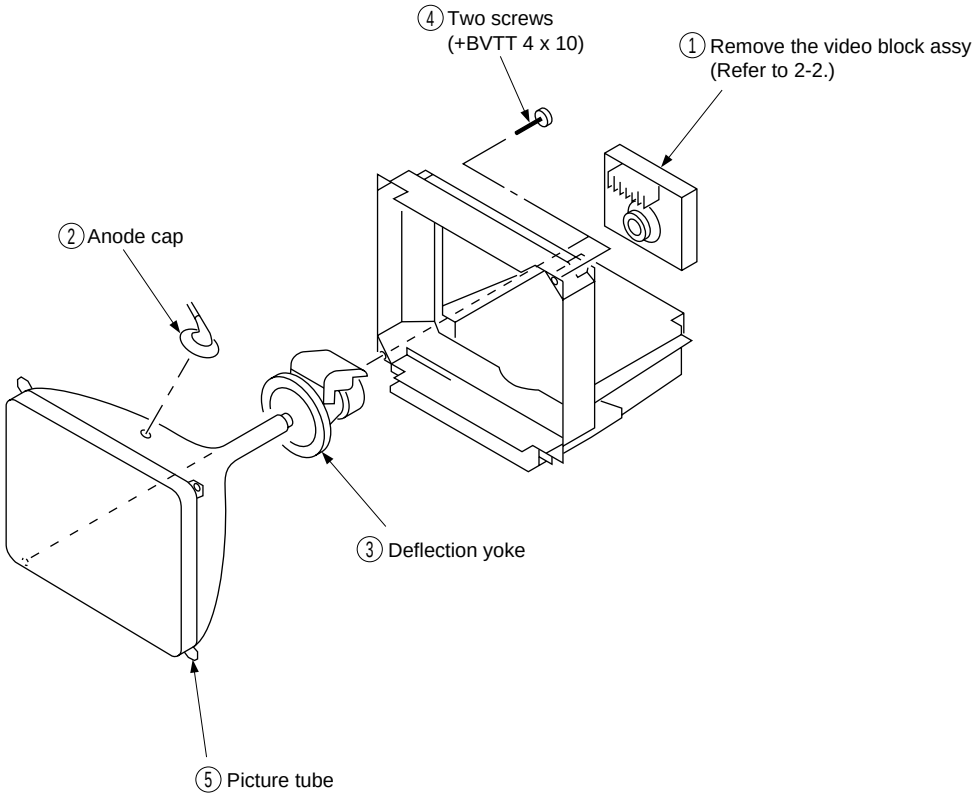
Remove the rear panel, AC inlet and D board. (Refer to 2-3, 2-4)




## 2-6. BEZEL ASSY REMOVAL



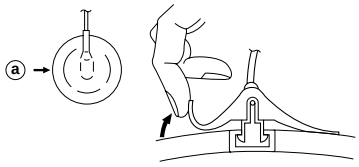
## 2-7. PICTURE TUBE REMOVAL



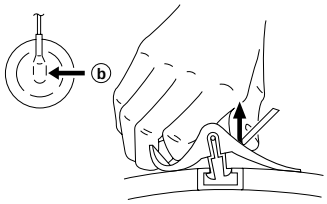

### • REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

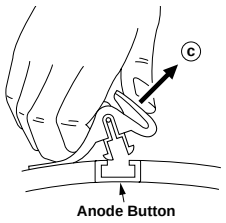
**• REMOVING PROCEDURES**




**1** Turn up one side of the rubber cap in the direction indicated by the arrow **a**.



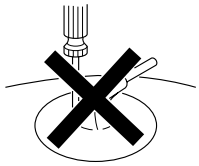

**2** Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow **b**.

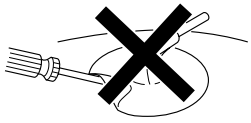



**3** When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow **c**.

**• HOW TO HANDLE AN ANODE-CAP**

**1** Don't hurt the surface of anode-caps with shartp shaped material!
**2** Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
**3** Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.





# SECTION 4
# ADJUSTMENTS

## • Landing Rough Adjustment

1. Enter the full white signal. (or the full black dots signal).
2. Set the contrast to the maximum.
3. Make the screen monogreen.
4. Reverse the DY, and adjust coarsely the purity magnet so that a green raster positions in the center of screen.

Note: Off the outputs from R ch and B ch of SG.

5. Moving the DY forward, adjust so that an entire screen becomes monogreen.
6. Adjust the tilt of DY, and fix lightly with a clamp.

Note: "TILT" shall be set at 0.

## • Landing Fine Adjustment

1. Put the set inside the Helmholtz coil.
2. Input the single green signal and set the CONT control to MAX.

Note: Set to $\sum$ 1k=300 μA with the signal green signal, and after aging for about 30 minutes, adjust so that it is exactly this value.

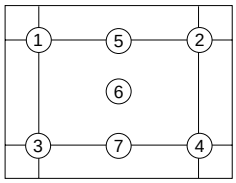
3. Demagnetize the metal part of the chassis with the hand degausser and coil degausser, and the CRT surface with the hand degausser.
   Input AC 230V to AC IN, turn on and off the power to perform auto degaussing.
   Demagnetize the CRT surface with the hand degausser again.

Note:

(1) Adjust in s non-magnetic field. BV=45uT.
(2) If adjusting in a magnetic fields, add the shift from the non-magnetic field in your estimation.

4. Attach the wobbling coil to the designated part of the CRT neck.
5. Attach the sensor of the landing adjustment unit on the CRT surface.
6. Adjust the DY position and purity, and the DY tilt, and landing of the center and 4 corners with the landing checker.

<Specification>




Adjust the green of corners **1** to **4**, and center **6** to ±5 μm, and red and blue to within ±7 μm of green, and the difference between red and blue to within ±10 μm.
Adjust the green of **5** and **7** to within ±10 μm, and red and blue to within ±7 μm of green, and the difference between red and blue to within ±10 μm.

(Set each corner to 1st frame of the crosshatch.)

7. For the up/down and left/right swing, swing the DY and insert a wedge so that the up and down pins are equal at the top and bottom and the horizontal trapezoid is equal at the left and right. Insert the wedge firmly so that the DY does not shake.
8. Check the landing of each corner, and if they do not satisfy the specification, paste a Disk-Mg onto the funnel and adjust.

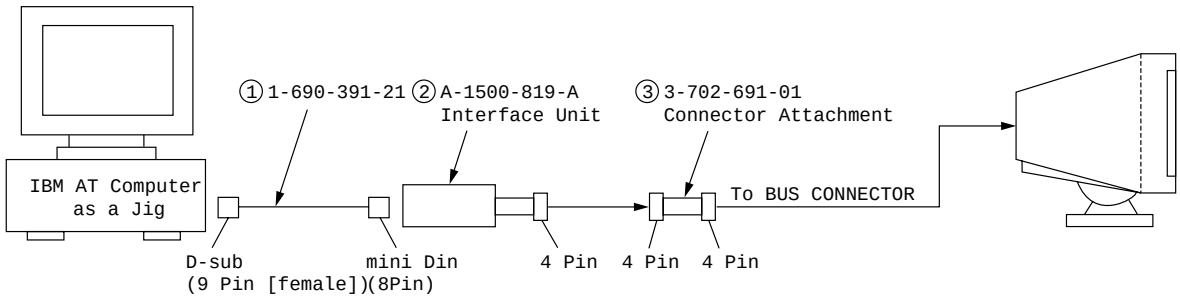
Note:

(1) Do not paste more than 2 magnets to one corner.
(2) Paste within 80 to 100 mm from the DY on the diagonal line of the magnet.
(3) If using the magnet, be sure to demagnetize with the hand degausser and check.

9. Remove the sensor and wobbling coil.
10. Switch the signal to R.G.B., and check that each color is pure.
11. Check that the DY is not tilting, and fix the purity Mg with a white pen.
12. Fasten DY with screw.

Note: Torque 20 ±2kg·cm

Connect the communication cable of the computer to the connector located on the D board on the monitor. Run the service software and then follow the instruction.




*The parts above ( ③ ' ) are necessary for DAS adjustment.

- **Convergence Rough Adjustment**

(1) Receive an image of the white crosshatch signals (white lines on black).
(2) Place the protrusions (A and B) of the 6-fold poles magnet attached to the CRT neck upon each other. (See fig. 3)
(3) Make rough adjustment of the H direction convergence by using H. STAT VR (RV101. Right side of the video case).
(4) Make a rough adjustment of the V direction convergence by using "V. CONV".

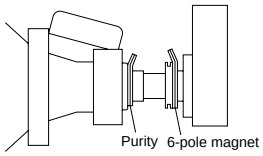



*Fig. 1*

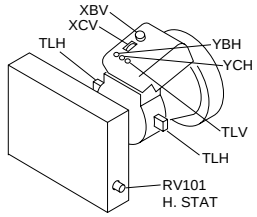
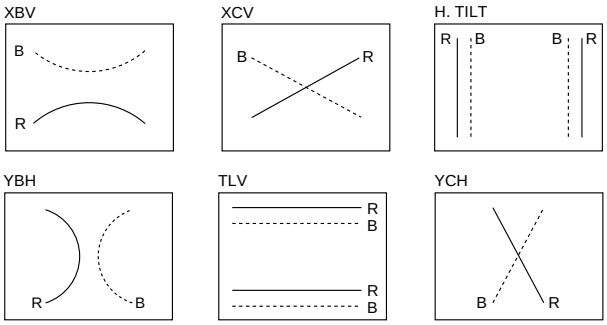



*Fig. 2*




<6 Pole Magnet>

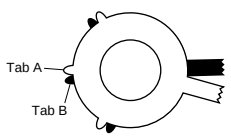



*Fig. 3*

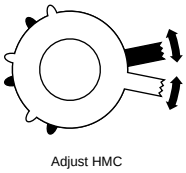



*Fig. 4*

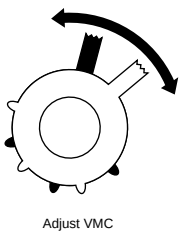
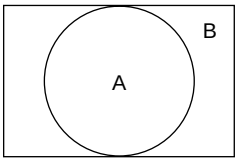



*Fig. 5*

- **Convergence Specification**

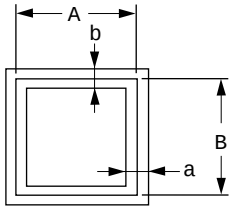



| MODE | 9 | 1-8, 10 |
|---|---|---|
| A | 0.30 mm | 0.35 mm |
| B | 0.40 mm | 0.45 mm |

- **White Balance Adjustment Specification**

(1) 9300K
x = 0.283 ± 0.005
y = 0.298 ± 0.005
(All White)
(2) 6500K
x = 0.313 ± 0.005
y = 0.329 ± 0.005
(3) 5000K
x = 0.345 ± 0.005
y = 0.358 ± 0.005

- **Vertical and Horizontal Position and Size Specification**

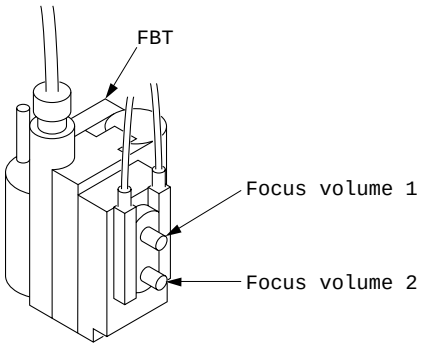



a 3.0 mm
b 3.0 mm

| MODE | 7,10 | 1~6,8,9 |
|---|---|---|
| A | 293 mm | 300 mm |
| B | 234 mm | 225 mm |

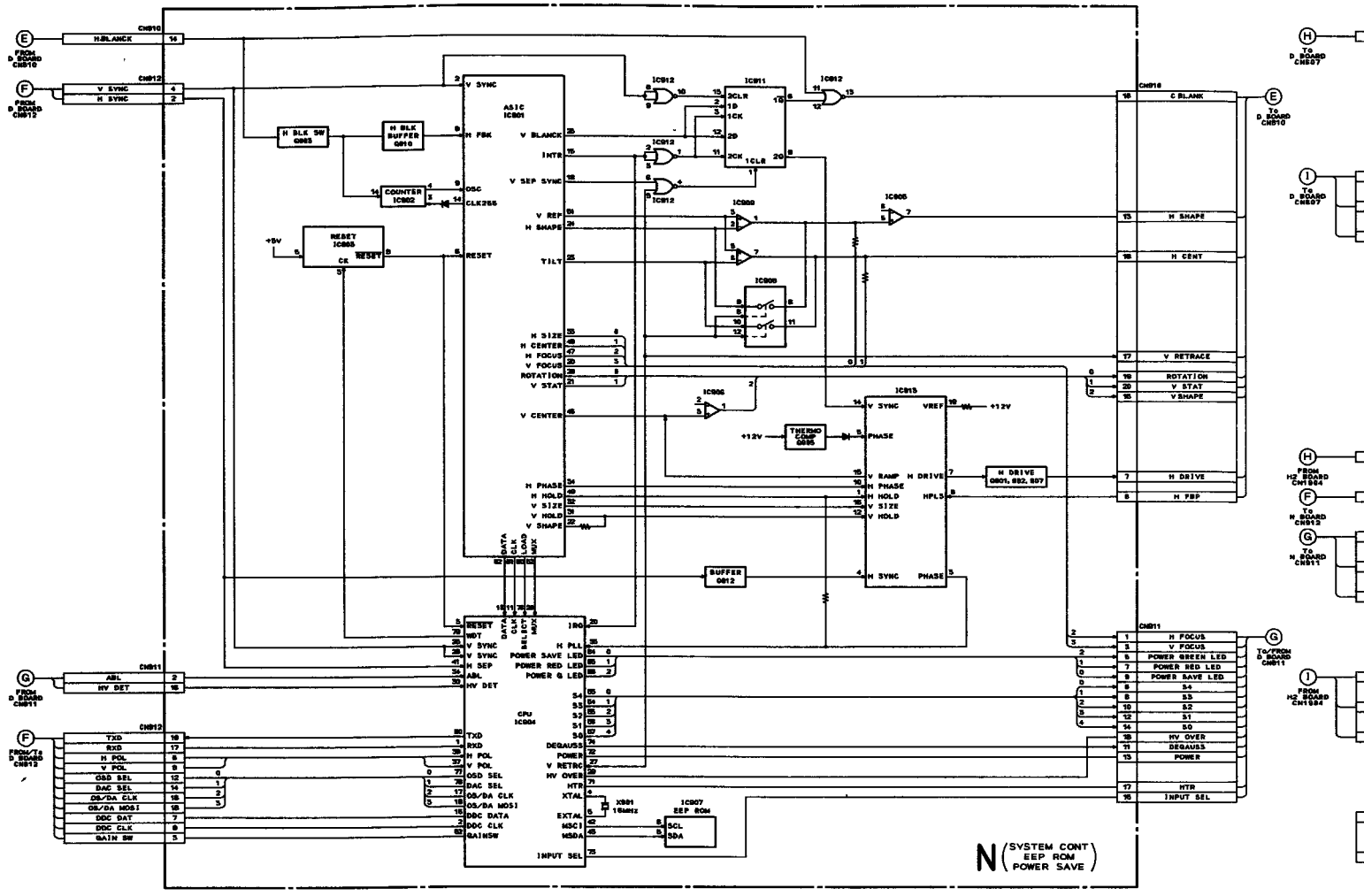
- **Focus adjustment**

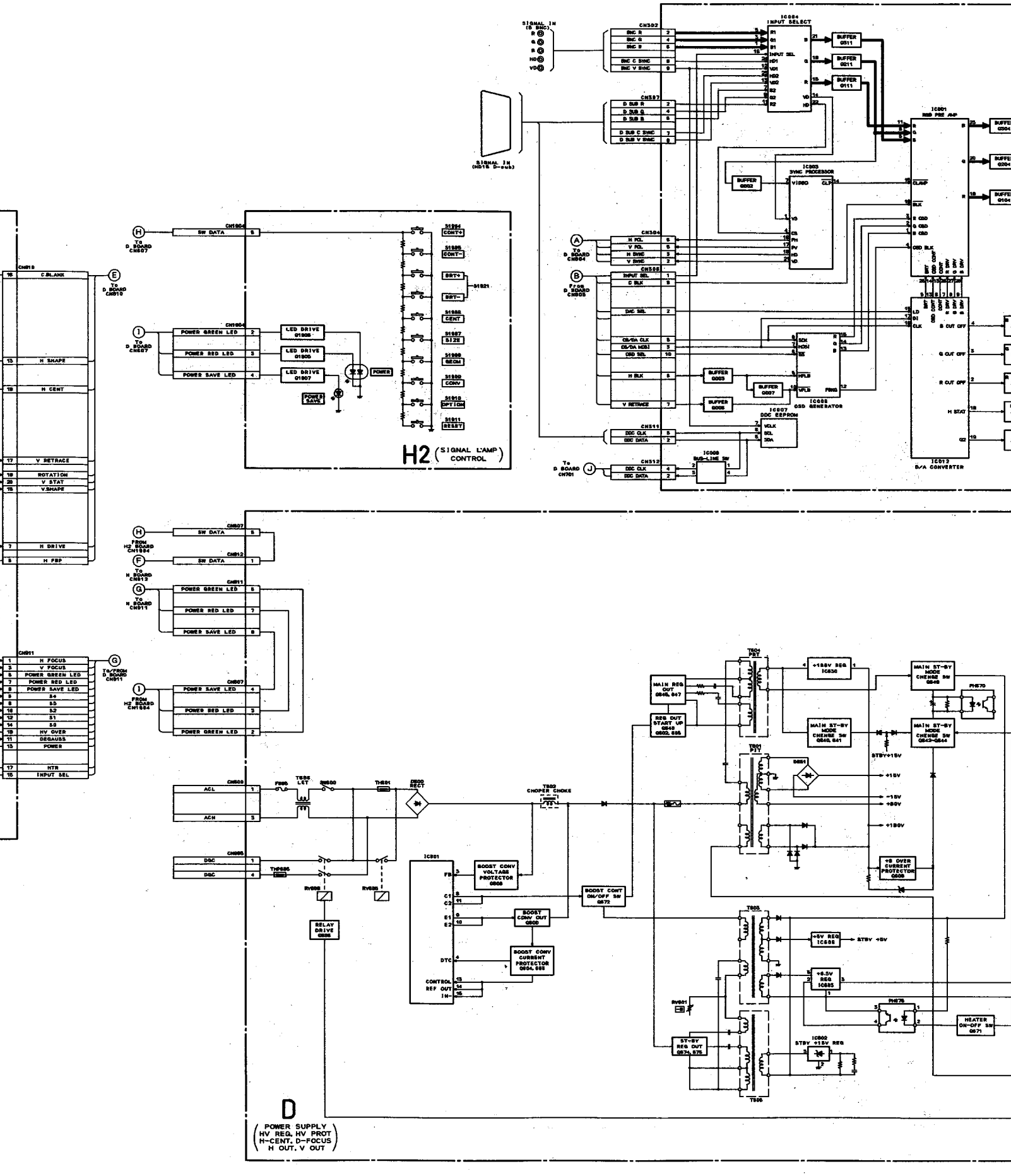
Adjust the focus volume 1 and 2 for the optimun focus.

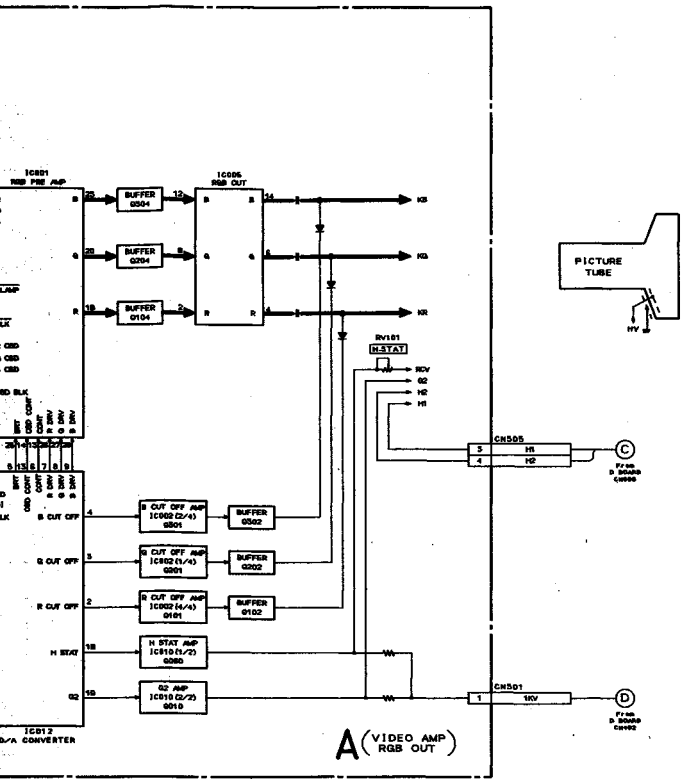


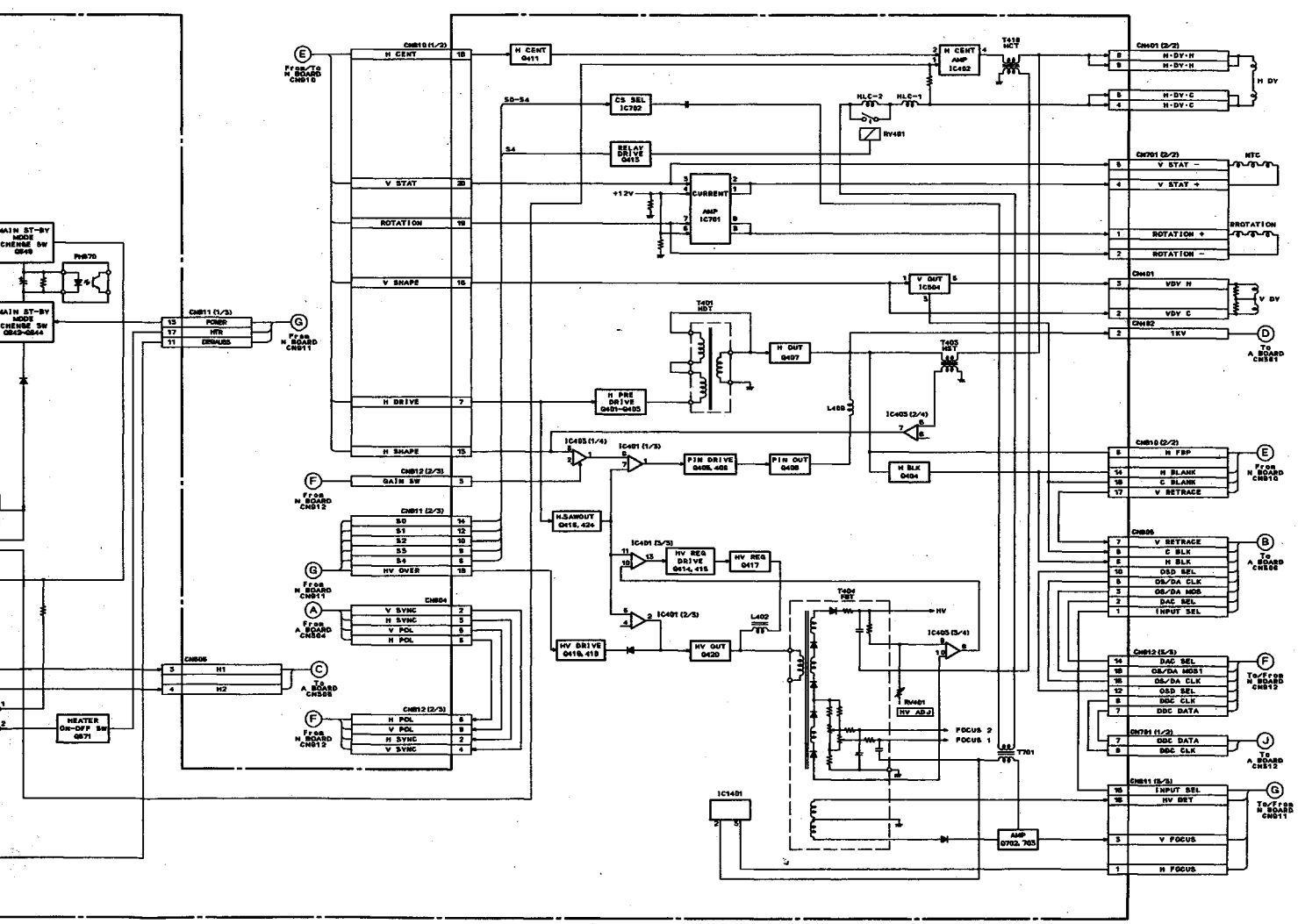
# SECTION 5
# DIAGRAMS

## 5-1. BLOCK DIAGRAM (with FRAME SCHEMATIC DIAGRAM)

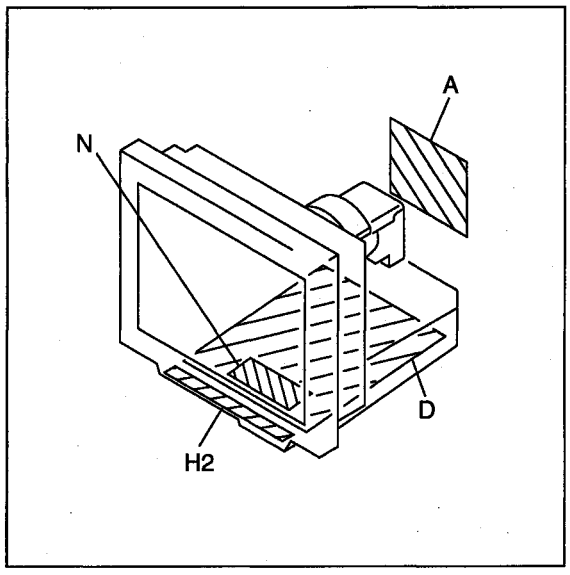



H2 (SIGNAL LAMP) CONTROL
D
POWER SUPPLY
HV REG, HV PROT
H-CENT, D-FOCUS
H OUT, V OUT


PICTURE TUBE
BUFFER Q504
BUFFER Q204
BUFFER Q104
RV101 H-STAT
CN505
CN501
B CUT OFF AMP IC902 (2/4) Q501
BUFFER Q502
G CUT OFF AMP IC902 (1/4) Q001
BUFFER Q202
R CUT OFF AMP IC902 (4/4) Q101
BUFFER Q102
H STAT AMP IC910 (1/2) Q050
G2 AMP IC910 (2/2) Q010
IC901 D/A CONVERTER
A (VIDEO AMP RGB OUT)


H CENT
V STAT
ROTATION
V SHAPE
H DRIVE
H SHAPE
GAIN SW
S0
S1
S2
S3
S4
HV OVER
V SYNC
H SYNC
V POL
H POL
H1
H2
POWER
HTR
DEGAUSS
H CENT Q411
CS SEL IC702
RELAY DRIVE Q413
CURRENT AMP IC701
H PRE DRIVE Q401-Q405
H OUT Q407
T401 HDT
T403 HDT
T419 HCT
H CENT AMP IC452
V OUT IC504
RV401 H/L
H/L-2
H/L-1
IC405 (1/4)
IC401 (1/3)
PIN DRIVE Q406, 408
PIN OUT Q408
H BLK Q404
H.SAWOUT Q418, 424
IC401 (3/3)
HV REG DRIVE Q414, 415
HV REG Q417
IC401 (2/3)
HV DRIVE Q419, 418
HV OUT Q420
L402
T402 FBT
IC405 (3/4)
RV401 HV ADJ
FOCUS 2
FOCUS 1
T701
IC1401
AMP Q703, 705
IC405 (2/4)
L489
H FBP
H BLANK
C BLANK
V RETRACE
C BLK
H BLK
OSD SEL
OS/DA CLK
OS/DA MOS
DAC SEL
INPUT SEL
OS/DA MOS1
DDC CLK
DDC DATA
HV SET
V FOCUS
H FOCUS
NTC
ROTATION
V DY
H DY
+12V
S0-S4
S4
HEATER ON-OFF SW Q871
MAIN ST-BY MODE CHENGE SW Q849
MAIN ST-BY MODE CHENGE SW Q843-Q844
PHOTO

## 5-2. CIRCUIT BOARDS LOCATION




## 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

**Note:**

- All capacitors are in μF unless otherwise noted. pF: μμF 50 V or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/4 W (CHIP : 1/10 W)

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- □ : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth-ground.
- ⏚ : earth-chassis.
- The components identified by ⊠ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
  Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. (See page 13)
- When replacing the part in below table, be sure to perform the related adjustment.

| | Part replaced ( ⊠ ) |
|---|---|
| HV ADJ | RV401 |

| | Part replaced ( ◪ ) | |
|---|---|---|
| HV Regulator Circuit | D board | IC401, IC403, RV401, FBT (T404), D425, R423, R460, R461, R462, R493 • Mounted D board |
| HV Hold-Down Circuit | D board | IC401, D439, D442, D443, D444, R422, R435, R448, R490 • Mounted D board |
| Beam Current Protector Circuit | D board | IC401, D429, D445, R435, R470, R472, R487, R497, R501, R503, R508 • Mounted D board |

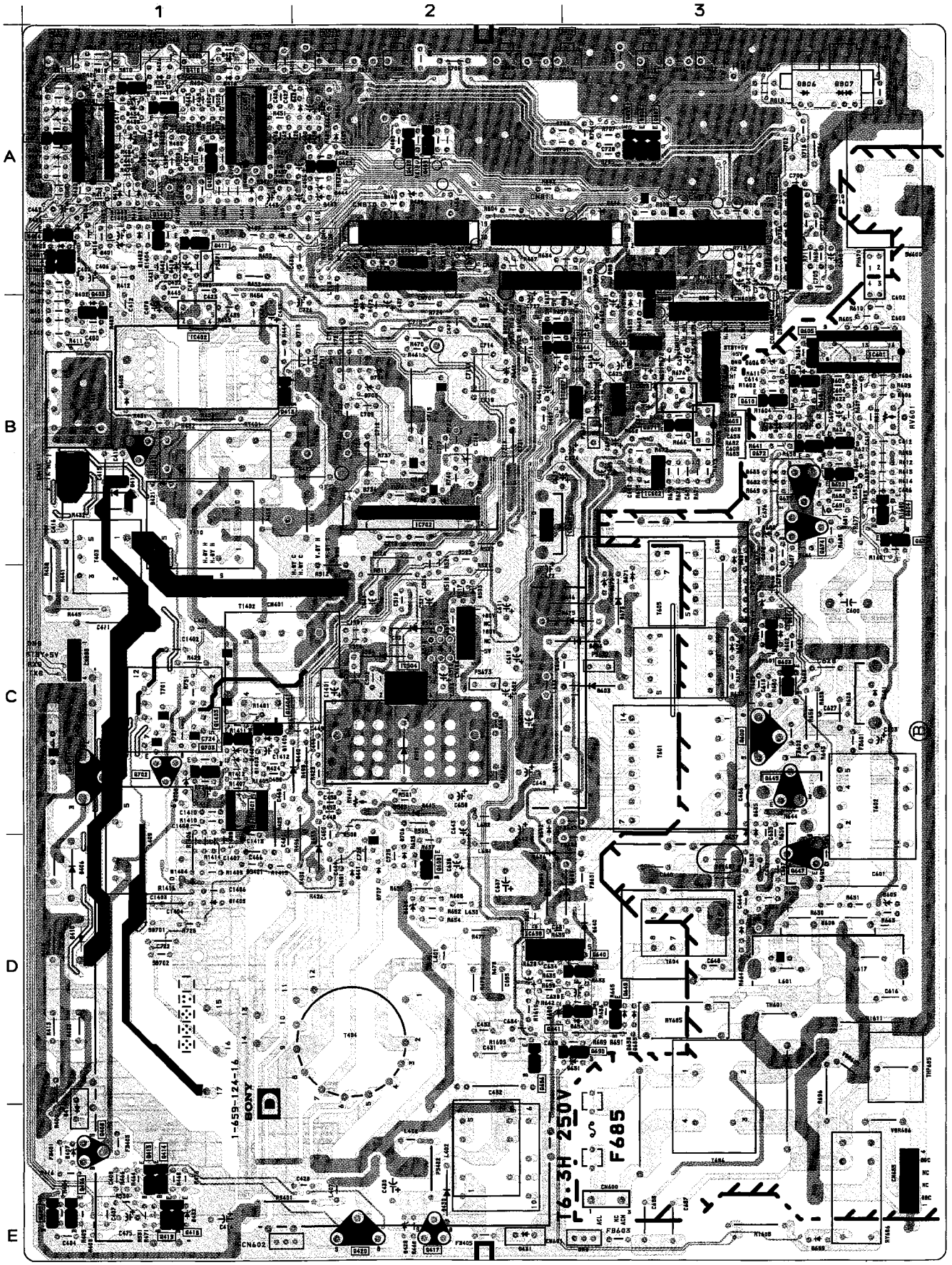
- All voltages are in V.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- * : Can not be measured.
- Circled numbers are waveform references.
- ——— : B + bus.
- — — — : B – bus.

**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**

**Note: Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.**

— D BOARD (Conductor side) —

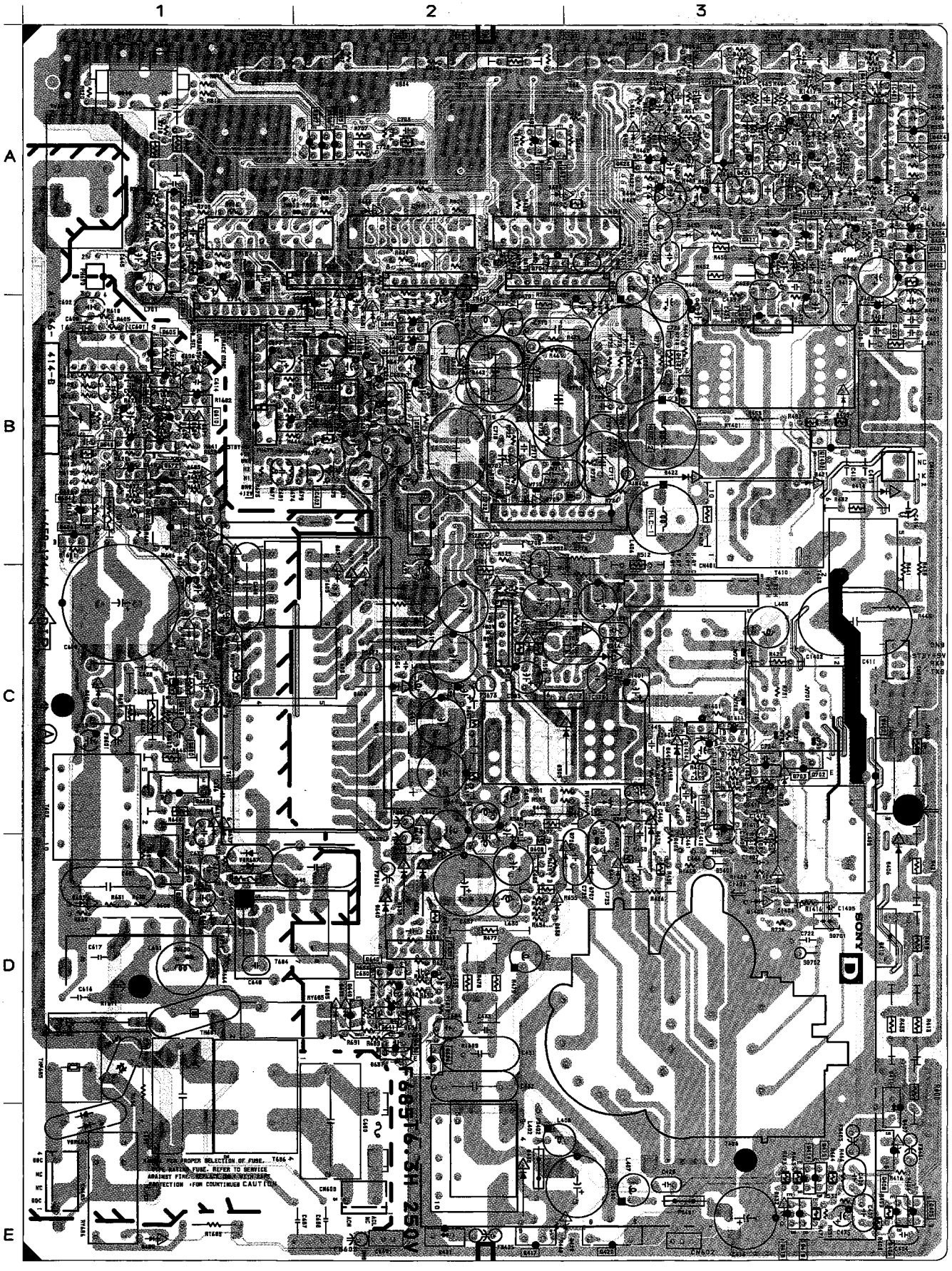
D POWER SUPPLY, HV REG
HV PROT, H-CENTER
D-FOCUS, H-OUT, V-OUT




◦ ▒▒▒ : Pattern from the side which enables seeing.

• ▒▒▒ : Pattern of the rear side.

## — D BOARD (Component side) —




- ▒▒▒ : Pattern from the side which enables seeing.
- ▒▒▒ : Pattern of the rear side.

(1) Schematic Diagram of D Board

## ● D BOARD SEMICONDUCTOR LOCATION

### IC

| | (Conductor) Side | (Component) Side |
|---|---|---|
| IC401 | A–1 | A–3 |
| IC402 | B–1 | B–3 |
| IC403 | A–1 | A–3 |
| IC504 | C–2 | C–3 |
| IC601 | B–3 | B–1 |
| IC602 | B–3 | B–1 |
| IC603 | B–3 | B–2 |
| IC606 | B–3 | B–2 |
| IC607 | B–3 | B–2 |
| IC608 | B–2 | B–2 |
| IC609 | B–3 | B–2 |
| IC630 | D–2 | D–2 |
| IC701 | A–3 | A–1 |
| IC702 | B–2 | B–2 |
| IC1401 | C–1 | C–3 |

### TRANSISTOR

| | (Conductor) Side | (Component) Side |
|---|---|---|
| Q401 | A–1 | A–3 |
| Q402 | A–1 | A–3 |
| Q403 | B–1 | B–3 |
| Q404 | A–1 | A–3 |
| Q405 | E–1 | E–3 |
| Q406 | E–1 | E–3 |
| Q407 | C–1 | C–3 |
| Q408 | E–1 | E–2 |
| Q409 | A–2 | A–2 |
| Q410 | A–1 | A–3 |
| Q411 | A–1 | A–3 |
| Q413 | B–1 | B–3 |
| Q414 | E–1 | E–3 |
| Q415 | E–1 | E–3 |
| Q416 | A–1 | A–3 |
| Q417 | E–2 | E–1 |
| Q418 | E–1 | E–3 |
| Q419 | E–1 | E–3 |
| Q420 | E–2 | E–3 |
| Q423 | A–2 | A–3 |
| Q424 | A–1 | A–3 |
| Q425 | A–2 | A–2 |
| Q426 | A–1 | A–3 |
| Q600 | C–3 | C–1 |
| Q601 | C–3 | C–1 |
| Q602 | B–3 | B–1 |
| Q603 | C–3 | C–1 |
| Q604 | B–3 | B–1 |
| Q605 | B–3 | B–1 |
| Q606 | B–3 | B–1 |
| Q608 | D–2 | D–2 |
| Q609 | B–3 | B–1 |
| Q610 | B–3 | B–1 |
| Q640 | D–3 | D–2 |
| Q641 | D–3 | D–2 |
| Q642 | B–2 | B–2 |
| Q643 | B–3 | B–2 |
| Q644 | B–2 | B–2 |
| Q645 | C–3 | C–1 |
| Q647 | D–3 | D–1 |
| Q648 | B–3 | B–1 |
| Q649 | D–3 | D–2 |
| Q671 | B–3 | B–1 |
| Q672 | B–3 | B–1 |
| Q674 | B–3 | B–1 |
| Q675 | B–3 | B–1 |
| Q686 | D–2 | D–2 |
| Q690 | D–2 | D–2 |
| Q702 | C–1 | C–3 |
| Q703 | C–1 | C–3 |
| Q704 | A–2 | A–2 |
| Q1401 | A–1 | A–3 |
| Q1402 | B–1 | B–3 |
| Q1403 | C–1 | C–3 |
| Q1404 | C–1 | C–3 |

### DIODE

| | (Conductor) Side | (Component) Side |
|---|---|---|
| D401 | A–1 | A–3 |
| D402 | B–1 | B–3 |
| D403 | A–1 | A–3 |
| D404 | A–1 | A–3 |
| D405 | B–1 | B–3 |
| D406 | D–1 | D–3 |
| D407 | E–1 | E–3 |
| D408 | A–2 | A–2 |
| D410 | D–1 | D–3 |
| D411 | E–1 | D–3 |
| D412 | A–1 | A–3 |
| D413 | A–1 | A–3 |
| D414 | B–1 | B–3 |
| D415 | A–1 | A–3 |
| D416 | A–1 | A–3 |
| D417 | A–1 | A–3 |
| D418 | A–1 | A–3 |
| D419 | A–1 | A–3 |
| D420 | A–1 | A–3 |
| D421 | A–1 | B–3 |
| D422 | B–2 | B–3 |
| D423 | A–1 | A–3 |
| D424 | A–2 | A–3 |
| D425 | A–2 | A–3 |
| D426 | A–1 | A–3 |
| D427 | A–1 | A–3 |
| D428 | E–2 | E–3 |
| D429 | B–2 | B–3 |
| D430 | E–2 | E–2 |
| D431 | E–1 | E–2 |
| D432 | E–1 | E–3 |
| D433 | A–1 | A–3 |
| D434 | A–1 | A–3 |
| D438 | A–2 | A–3 |
| D439 | D–2 | C–3 |
| D440 | C–1 | C–3 |
| D441 | D–2 | D–3 |
| D442 | B–2 | B–2 |
| D443 | A–2 | A–3 |
| D444 | A–2 | A–3 |
| D445 | A–2 | A–3 |
| D446 | A–3 | A–2 |
| D448 | A–1 | A–3 |
| D451 | A–1 | A–3 |
| D454 | A–1 | A–3 |
| D455 | A–2 | A–3 |
| D456 | A–1 | A–3 |
| D457 | A–1 | A–3 |
| D501 | C–2 | C–2 |
| D502 | C–2 | C–2 |
| D503 | C–2 | C–2 |
| D504 | C–2 | C–3 |
| D505 | C–2 | C–3 |
| D600 | D–3 | D–1 |
| D601 | C–3 | C–1 |
| D602 | C–3 | C–1 |
| D603 | C–3 | C–2 |
| D604 | C–3 | C–2 |
| D605 | C–3 | A–3 |
| D606 | B–3 | B–1 |
| D631 | D–2 | D–2 |
| D632 | B–3 | B–2 |
| D634 | D–2 | D–2 |
| D635 | D–3 | D–2 |
| D636 | D–2 | D–2 |
| D637 | D–3 | D–1 |
| D638 | D–2 | D–2 |
| D639 | D–3 | D–2 |
| D640 | D–3 | D–2 |
| D642 | C–2 | C–2 |
| D648 | D–3 | D–1 |
| D650 | D–3 | D–1 |
| D651 | C–3 | C–2 |
| D653 | D–3 | D–2 |
| D654 | D–3 | D–2 |
| D655 | B–3 | B–2 |
| D670 | C–3 | C–2 |
| D671 | B–3 | C–2 |
| D672 | C–3 | C–1 |
| D673 | C–3 | C–1 |
| D674 | C–3 | C–2 |
| D675 | C–3 | C–2 |
| D679 | B–3 | B–1 |
| D680 | B–3 | B–1 |
| D681 | B–3 | B–1 |
| D682 | B–3 | B–1 |
| D683 | B–3 | B–1 |
| D684 | B–3 | B–1 |
| D685 | B–3 | B–1 |
| D686 | B–3 | B–1 |
| D689 | E–3 | E–3 |
| D690 | D–3 | D–2 |
| D691 | B–3 | B–2 |
| D701 | B–2 | B–3 |
| D702 | B–2 | B–2 |
| D703 | B–2 | B–2 |
| D704 | B–2 | B–3 |
| D706 | D–2 | D–3 |
| D707 | D–2 | D–3 |
| D708 | C–1 | C–3 |
| D709 | A–2 | A–2 |
| D1402 | A–1 | A–3 |
| D1403 | C–1 | C–3 |
| D1404 | D–1 | D–3 |
| D1405 | D–1 | D–3 |
| D1406 | C–1 | C–3 |
| D1407 | C–1 | C–3 |

### VARIABLE RESISTOR

| | (Conductor) Side | (Component) Side |
|---|---|---|
| RV401 | C–2 | C–3 |
| RV601 | B–3 | B–1 |

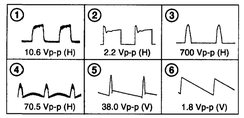


## ● D BOARD VOLTAGE LIST

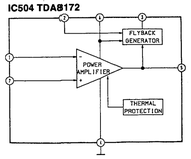
| Ref. | Pin No. | Voltage [V] |
|---|---|---|
| IC401 | 1 | 9.1 |
| | 2 | 9.9 |
| | 4 | 3.2 |
| | 5 | 7.5 |
| | 6 | 5.3 |
| | 7 | 7.5 |
| | 8 | 4.3 |
| | 9 | 5.0 |
| | 10 | 4.7 |
| | 11 | 7.4 |
| | 13 | 9.1 |
| | 14 | 10.8 |
| IC402 | 1 | 42.0 |
| | 2 | 42.0 |
| | 3 | 34.7 |
| | 4 | 41.6 |
| IC403 | 1 | 5.2 |
| | 2 | 6.2 |
| | 3 | 6.2 |
| | 5 | 6.4 |
| | 6 | 6.4 |
| | 7 | 6.5 |
| | 8 | 4.7 |
| | 9 | 5.0 |
| | 10 | 5.0 |
| | 12 | 8.7 |
| | 13 | 8.7 |
| | 14 | 8.7 |
| IC504 | 1 | 0.9 |
| | 2 | −13.6 |
| | 4 | −14.2 |
| | 5 | 0.3 |
| | 6 | 13.5 |
| | 7 | 0.9 |
| IC601 | 1 | 2.5 |
| | 2 | 2.5 |
| | 3 | 2.5 |
| | 4 | 0.5 |
| | 5 | 1.5 |
| | 6 | 3.3 |
| | 8 | 12.0 |
| | 9 | 3.2 |
| | 10 | 3.2 |
| | 11 | 11.9 |
| | 12 | 10.9 |
| | 13 | 4.9 |
| | 14 | 4.9 |
| | 15 | 4.9 |
| | 16 | 0 |
| IC602 | 1 | 2.5 |
| | 3 | 13.7 |
| IC603 | 1 | 0 |
| | 2 | 2.5 |
| | 3 | 6.2 |
| | 4 | 5.0 |
| | 5 | 7.4 |
| IC606 | IN | 7.8 |
| | OUT | 5.0 |
| IC607 | IN | −14.8 |
| | OUT | −5.0 |
| IC608 | IN | 14.7 |
| | OUT | 12.0 |
| IC609 | IN | 12.0 |
| | OUT | 5.0 |
| IC630 | 1 | 179.8 |
| | 3 | 13.9 |
| | 4 | 0 |
| IC701 | 1 | −0.7 |
| | 2 | −0.8 |
| | 3 | 1.5 |
| | 4 | 1.5 |
| | 6 | 1.8 |
| | 7 | 1.8 |
| | 8 | −0.2 |
| | 9 | −0.2 |
| | 10 | 14.6 |
| IC702 | 2 | 4.0 |
| | 3 | 0 |
| | 4 | 4.0 |
| | 5 | 0 |
| | 6 | 3.9 |
| | 7 | 0 |
| | 8 | 3.9 |
| | 9 | 0 |
| | 10 | 3.9 |
| | 11 | 0 |
| IC1401 | 1 | −10.3 |
| | 2 | 2.5 |
| | 3 | 2.5 |
| PH670 | 1 | 1.2 |
| | 2 | 0.1 |
| | 3 | 0 |
| | 4 | 0.4 |
| PH675 | 1 | 4.9 |
| | 2 | 4.5 |
| | 3 | 0 |
| | 4 | 2.6 |
| Q401 | B | 5.2 |
| | E | 5.3 |
| Q402 | B | 5.2 |
| | C | 14.4 |
| | E | 5.3 |
| Q403 | B | −14.3 |
| | C | −0.2 |
| | E | −14.2 |
| Q404 | B | 0.5 |
| | C | 0.8 |
| Q405 | B | 9.1 |
| | E | 8.7 |
| Q406 | B | 9.1 |
| | E | 8.7 |
| Q407 | B | −1.0 |
| | C | 42.2 |
| Q408 | G | 178.3 |
| | D | 43.3 |
| | S | 179.9 |
| Q409 | B | 10.2 |
| | C | 0 |
| Q410 | B | 0 |
| | C | 11.9 |
| | E | 0 |
| Q411 | B | 0.5 |
| | C | 38.0 |
| | E | 0 |
| Q413 | B | 0.7 |
| | C | 0.2 |
| Q414 | B | 9.1 |
| | E | 8.9 |
| Q415 | B | 9.1 |
| | E | 8.9 |
| Q416 | B | 0 |
| | C | 7.5 |
| Q417 | G | 176.9 |
| | D | 42.0 |
| | S | 179.9 |
| Q418 | B | 9.9 |
| | E | 9.8 |
| Q419 | B | 9.9 |
| | E | 9.8 |
| Q420 | G | 9.9 |
| | D | 42.0 |
| Q423 | B | 7.5 |
| | E | 8.3 |
| Q424 | B | 10.3 |
| | C | 7.5 |
| | E | 10.9 |
| Q425 | B | 4.8 |
| | C | 0 |
| Q426 | B | 0 |
| | C | 5.2 |
| | E | 5.2 |
| Q600 | G | 3.0 |
| | D | 91.2 |
| | S | 0 |
| Q601 | B | 3.2 |
| | C | 0 |
| | E | 3.0 |
| Q602 | B | 1.2 |
| | C | −0.6 |
| | E | 2.0 |
| Q603 | B | 0.1 |
| | C | 4.9 |
| | E | 0 |
| Q604 | B | 5.6 |
| | C | 2.5 |
| | E | 4.9 |
| Q605 | B | 1.0 |
| | C | 0.4 |
| | E | 0.4 |
| Q606 | B | 4.9 |
| | C | 0.5 |
| | E | 4.9 |
| Q608 | B | 180.0 |
| | C | 0 |
| | E | 180.1 |
| Q609 | B | 1.6 |
| | C | 0 |
| | E | 1.5 |
| Q610 | B | 0 |
| | C | 1.5 |
| | E | 0 |
| Q640 | B | 14.0 |
| | E | 13.9 |
| Q641 | B | 0.2 |
| | C | 14.0 |
| Q642 | B | 1.2 |
| | C | 0 |
| | E | 1.2 |
| Q643 | B | 0.7 |
| | C | 0.1 |
| Q644 | B | 0 |
| | C | 1.2 |
| Q645 | B | 201.0 |
| | C | 396.0 |
| | E | 202.1 |
| Q647 | B | −0.6 |
| | C | 202.1 |
| | E | 0 |
| Q648 | B | −0.7 |
| | C | −0.6 |
| | E | 0 |
| Q649 | B | 15.2 |
| | C | 15.9 |
| | E | 15.9 |
| Q671 | B | 0 |
| | C | 4.4 |
| Q672 | B | 11.3 |
| | C | 11.9 |
| | E | 12.1 |
| Q674 | B | 191.0 |
| | C | 396.0 |
| | E | 194.3 |
| Q675 | B | −2.1 |
| | C | 194.3 |
| | E | 0 |
| Q686 | B | 0 |
| | C | 14.8 |
| Q702 | B | 3.2 |
| | C | 186.1 |
| | E | 2.7 |
| Q703 | B | 2.7 |
| | E | 3.2 |
| Q704 | G | −0.6 |
| | D | −0.1 |
| Q1401 | B | 4.4 |
| | E | 3.8 |
| Q1402 | B | 0.7 |
| | C | 0 |
| Q1403 | B | −10.5 |
| | C | 8.0 |
| | E | −11.1 |
| Q1404 | B | 11.8 |
| | C | 2.5 |



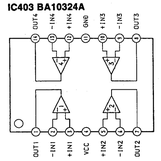
## ● D BOARD WAVEFORMS

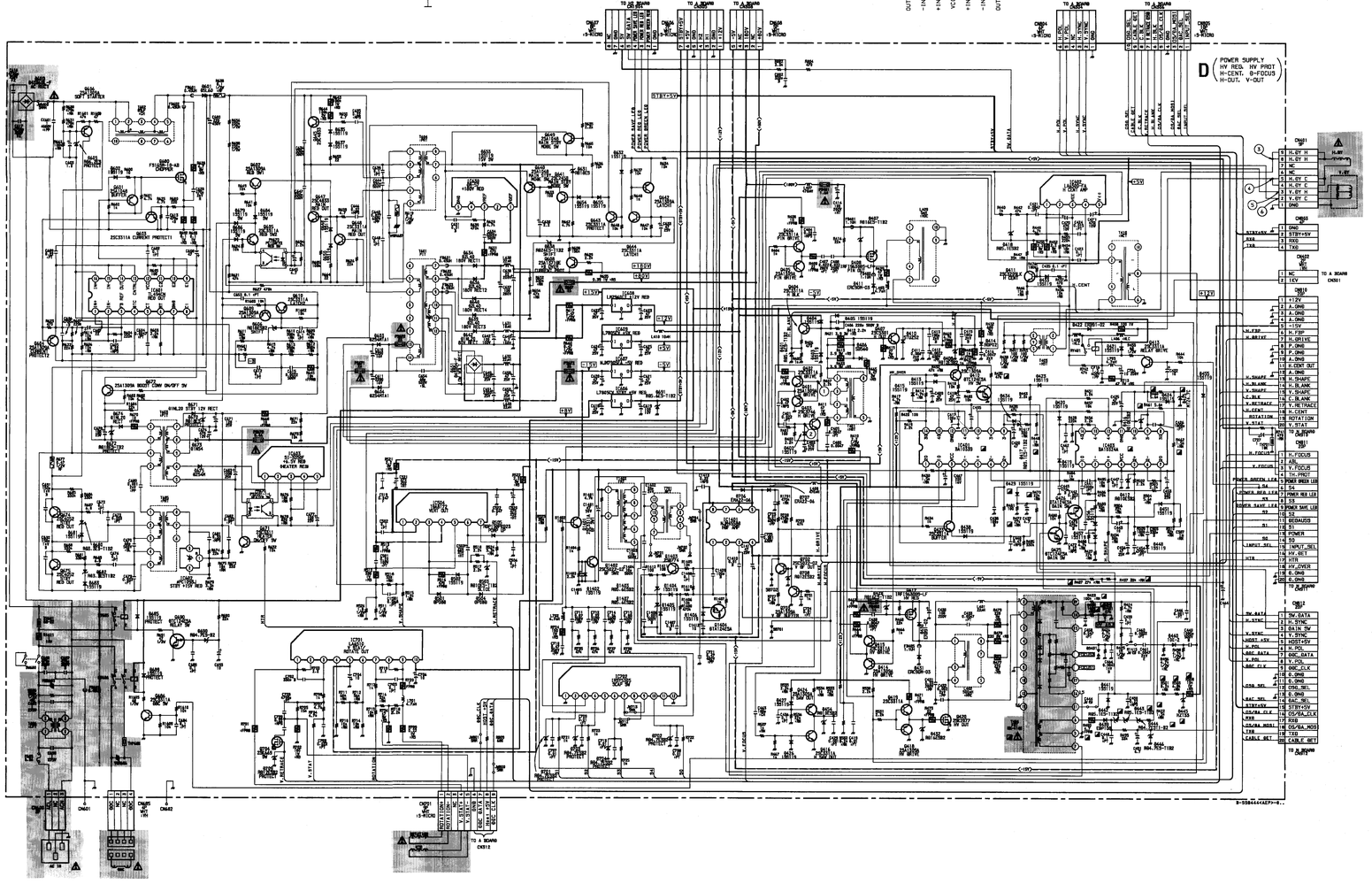



## ● D BOARD IC504 TDA8172




## ● D BOARD IC403 BA10324A



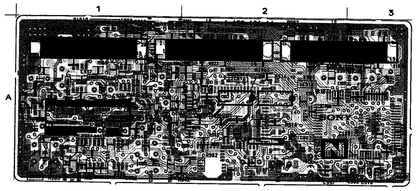
## (2) Schematic Diagrams of A, N Boards

### ● N BOARD VOLTAGE LIST

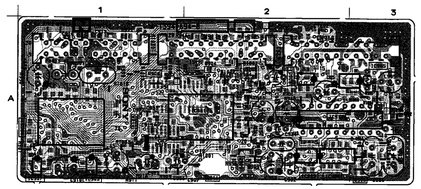
| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|---|---|---|---|---|---|
| IC902 | 3 | 0.2 | | 10 | 5.0 |
| | 4 | 2.5 | | 11 | 0.5 |
| | 6 | 0.4 | | 12 | 0.1 |
| | 7 | 0.4 | | 13 | 4.5 |
| | 9 | 1.3 | Q901 | B | 5.1 |
| | 11 | 1.3 | | E | 5.1 |
| | 12 | 4.5 | Q902 | B | 5.1 |
| | 13 | 1.3 | | E | 5.1 |
| | 14 | 0.4 | Q903 | B | 0.4 |
| IC911 | 1 | 5.0 | | E | 0.4 |
| | 2 | 4.8 | Q905 | B | 1.1 |
| | 3 | 0.3 | | E | 0.7 |
| | 6 | 0.1 | Q905 | B | 1.1 |
| | 9 | 4.9 | | E | 0.7 |
| | 11 | 0.3 | Q908 | C | 5.0 |
| | 12 | 4.9 | Q910 | G | 0.4 |
| | 13 | 5.0 | | D | * |
| IC912 | 1 | 0.3 | Q912 | B | 0.2 |
| | 2 | 4.7 | | C | 6.7 |
| | 3 | 4.7 | | | |
| | 4 | 5.0 | | | |
| | 5 | −0.2 | | | |
| | 6 | 0 | | | |
| | 8 | 0.3 | | | |
| | 9 | 0.3 | | | |

**N** SYSTEM CONT / EEP ROM / POWER SAVE

— N BOARD (Conductor side) —



— N BOARD (Component side) —



* : Pattern from the side which separates the foil.
* ▒▒▒ : Pattern of the rear side.

### ● N BOARD SEMICONDUCTOR LOCATION

| IC | (Conductor Side) | (Component Side) |
|---|---|---|
| IC901 | A–1 | |
| IC902 | A–2 | |
| IC903 | | A–1 |
| IC904 | | A–1 |
| IC905 | | A–3 |
| IC906 | | A–2 |
| IC907 | | A–1 |
| IC908 | A–3 | A–2 |
| IC909 | | A–2 |
| IC911 | A–2 | |
| IC912 | A–2 | |
| IC913 | A–1 | A–2 |

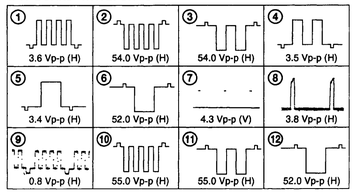
| TRANSISTOR | (Conductor Side) | (Component Side) | * |
|---|---|---|---|
| Q901 | A–1 | | ① |
| Q902 | A–1 | | ① |
| Q903 | A–2 | | ① |
| Q904 | | A–1 | ② |
| Q905 | A–1 | | ① |
| Q907 | | A–3 | ② |
| Q908 | A–3 | | ① |

| | (Conductor Side) | (Component Side) | * |
|---|---|---|---|
| Q909 | A–2 | | ② |
| Q910 | | A–1 | ② |
| Q911 | | A–2 | ② |
| Q912 | A–2 | | ① |

| DIODE | (Conductor Side) | (Component Side) | * |
|---|---|---|---|
| D901 | A–2 | | ② |
| D902 | | A–3 | ② |
| D903 | | A–1 | ② |
| D904 | | A–2 | ② |
| D905 | | A–2 | ② |
| D906 | | A–3 | ② |
| D907 | A–1 | | ① |
| D908 | | A–2 | ② |
| D909 | | A–2 | ② |
| D917 | A–2 | | ① |
| D920 | A–3 | | ① |

| CRYSTAL | (Conductor Side) | (Component Side) |
|---|---|---|
| X901 | A–2 | A–1 |

### ● A BOARD WAVEFORMS

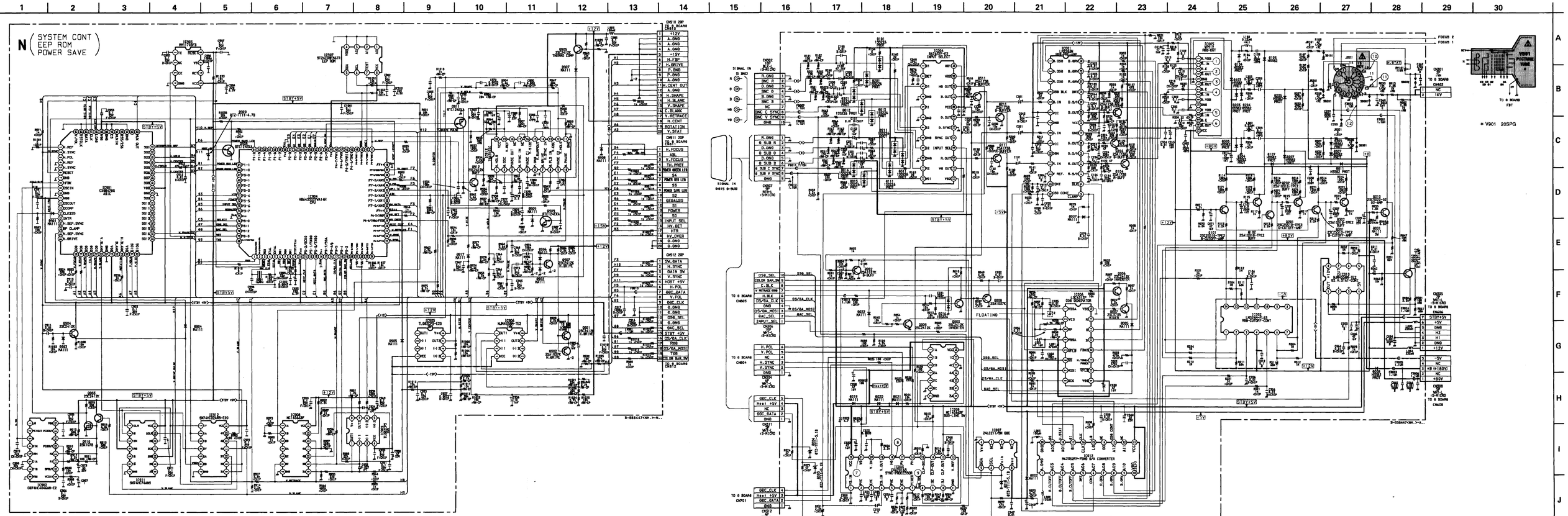



### ● A BOARD VOLTAGE LIST

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IC001 | 1 | 0 | | 14 | 4.9 | IC007 | 5 | 0.5 | Q102 | B | 91.1 |
| | 2 | 0 | | 15 | 0 | | 6 | 4.3 | | C | 0.8 |
| | 3 | 0 | | 16 | 5.0 | | 7 | 0 | | E | 91.6 |
| | 4 | 0 | | 17 | 5.0 | | | | | | |
| | 5 | 2.3 | | 18 | 0.7 | Q002 | B | 2.5 | Q104 | B | 1.9 |
| | 11 | 2.2 | | 19 | 1.3 | | E | 3.1 | | E | 2.7 |
| | 12 | 2.0 | | 20 | 1.3 | Q003 | B | 0 | Q201 | B | 7.0 |
| | 13 | 1.8 | | 21 | 0.3 | | C | 2.7 | | C | 95.0 |
| | 14 | 1.5 | | | | | | | | E | 6.4 |
| | 15 | 3.8 | IC005 | 1 | 9.8 | Q004 | B | 3.5 | Q202 | B | 95.0 |
| | 16 | 4.5 | | 2 | 2.7 | | C | 0 | | C | 0.7 |
| | 17 | 7.2 | | 3 | 2.0 | Q005 | B | 0 | | E | 95.6 |
| | 18 | 1.9 | | 4 | 49.9 | | C | 4.9 | | | |
| | 19 | 7.2 | | 6 | 51.4 | | | | Q204 | B | 1.8 |
| | 20 | 1.8 | | 7 | 1.9 | Q006 | B | −0.7 | | E | 2.6 |
| | 23 | 1.9 | | 8 | 2.6 | | C | 2.5 | | | |
| | 24 | 7.2 | | 9 | 9.8 | | | | Q301 | B | 7.0 |
| | 25 | 0.9 | | 11 | 9.9 | Q007 | B | 0.7 | | C | 97.8 |
| | 26 | 3.1 | | 12 | 2.6 | | C | 0.2 | | E | 6.5 |
| | 27 | 3.1 | | 13 | 1.9 | | | | | | |
| | 28 | 3.0 | | 14 | 51.0 | Q008 | B | 4.6 | Q302 | B | 97.8 |
| IC003 | 1 | 7.2 | IC006 | 1 | 0 | | E | * | | C | 0.6 |
| | 2 | 0.2 | | 2 | 1.5 | Q010 | B | 9.5 | | E | 98.4 |
| | 3 | 3.7 | | 3 | 1.5 | | C | 319.3 | Q304 | B | 1.9 |
| | 4 | 4.2 | | 5 | 2.6 | | E | 9.0 | | E | 2.6 |
| | 5 | 0.5 | | 6 | 4.7 | | | | | | |
| | 6 | 2.6 | | 7 | 4.8 | Q060 | B | 10.8 | J001 | KR | 64.8 |
| | 7 | 1.5 | | 8 | 4.8 | | C | 301.2 | | KG | 69.7 |
| | 8 | 5.0 | | 10 | 3.5 | | E | 10.2 | | KB | 72.7 |
| | 9 | 1.3 | | 12 | 0 | | | | | G2 | 324.0 |
| | 10 | 1.3 | | 13 | 0 | Q101 | B | 7.0 | | H1 | 6.2 |
| | 12 | 3.2 | | 14 | 0 | | C | 91.1 | | | |
| | 13 | 0.3 | | 15 | 0 | | E | 6.4 | | | |

**Terminal name of semiconductors in silk screen printed circuit (*)**

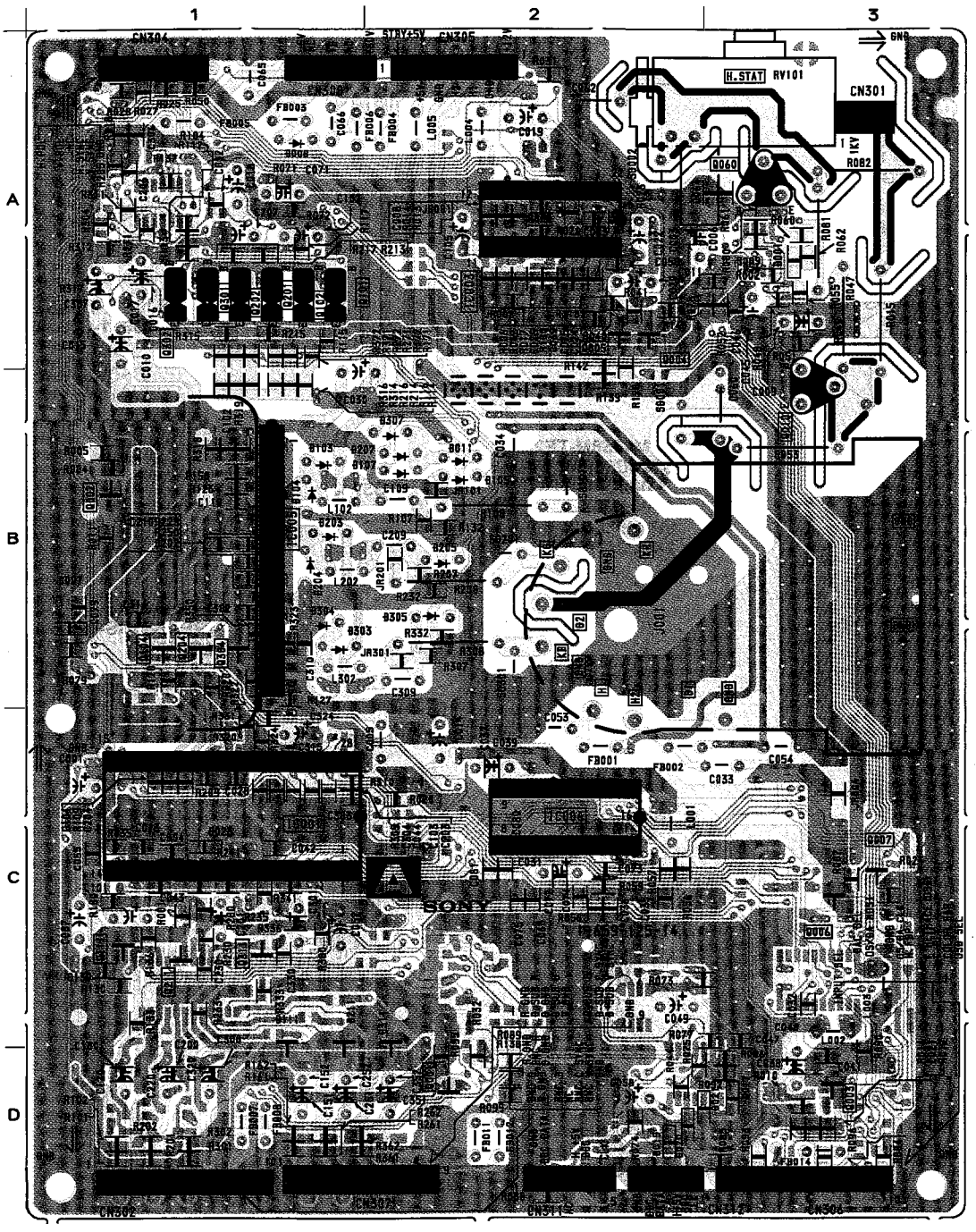
| | Device | Printed symbol | Terminal name | Circuit |
|---|---|---|---|---|
| ① | Transistor | T | Collector / Base / Emitter | |
| ② | Transistor | — | Collector / Base / Emitter | |
| ③ | Diode | | Cathode / Anode | |
| ④ | Transistor (FET) | | Source / Drain / Gate | |
| – | Discrete semiconductor | | | |




Schematic diagram ← D board

Schematic diagrams A N boards →

## — A BOARD (Conductor side) —




▫ ▒▒▒ : Pattern from the side which enables seeing.
▪ ▒▒▒ : Pattern of the rear side.

## ● A BOARD SEMICONDUCTOR LOCA

### IC

| | (Conductor Side) | (Component Side) |
|---|---|---|
| IC001 | C–1 | C–3 |
| IC002 | | A–3 |
| IC003 | A–2 | A–2 |
| IC004 | | C–3 |
| IC005 | B–1 | B–3 |
| IC006 | C–2 | C–2 |
| IC007 | | C–1 |
| IC008 | | D–1 |
| IC010 | | A–1 |
| IC012 | | C–1 |

### TRANSISTOR

| | (Conductor Side) | (Component Side) | * |
|---|---|---|---|
| Q002 | B–1 | | ① |
| Q003 | D–3 | | ① |
| Q006 | C–3 | | ① |
| Q007 | C–3 | | ① |
| Q008 | | D–1 | ② |
| Q009 | | C–1 | ② |
| Q010 | B–3 | B–1 | – |
| Q060 | A–3 | A–1 | – |
| Q101 | A–1 | A–2 | – |
| Q102 | A–1 | A–2 | – |
| Q104 | B–1 | | ① |
| Q111 | C–1 | | ① |
| Q201 | A–1 | A–3 | – |
| Q202 | A–1 | A–3 | – |
| Q204 | B–1 | | ① |
| Q211 | C–1 | | ① |
| Q301 | A–1 | A–3 | – |
| Q302 | A–1 | A–3 | – |
| Q304 | B–1 | | ① |
| Q311 | C–1 | | ① |

### DIODE

| | (Conductor Side) | (Component Side) | * |
|---|---|---|---|
| D001 | A–3 | | ③ |
| D002 | | | C–1 |
| D003 | | | D–1 |
| D004 | | | D–2 |
| D005 | | | C–1 |
| D007 | B–1 | | |
| D008 | A–1 | | A–2 |
| D011 | B–2 | | B–2 |
| D012 | | | C–2 |
| D013 | | | C–2 |
| D014 | | | C–2 |
| D015 | | | C–2 |
| D016 | | | D–1 |
| D018 | | | C–1 |
| D019 | D–2 | | |
| D020 | D–2 | | |
| D021 | D–2 | | |
| D022 | | | D–1 |
| D101 | | | D–3 |
| D103 | B–1 | | B–2 |
| D104 | B–1 | | B–2 |
| D105 | B–2 | | B–2 |
| D107 | B–1 | | B–2 |
| D111 | C–1 | | |
| D201 | | | D–3 |
| D203 | B–1 | | B–2 |
| D204 | B–1 | | B–2 |
| D205 | B–2 | | B–2 |
| D207 | B–1 | | B–2 |
| D211 | C–1 | | |
| D301 | | | D–3 |
| D303 | B–1 | | B–2 |
| D304 | B–1 | | B–2 |
| D305 | B–2 | | B–2 |
| D307 | B–2 | | B–2 |
| D311 | C–2 | | |

### VARIABLE RESIS

| | (Conductor Side) | (Co |
|---|---|---|
| RV101 | A–3 | A–1 |

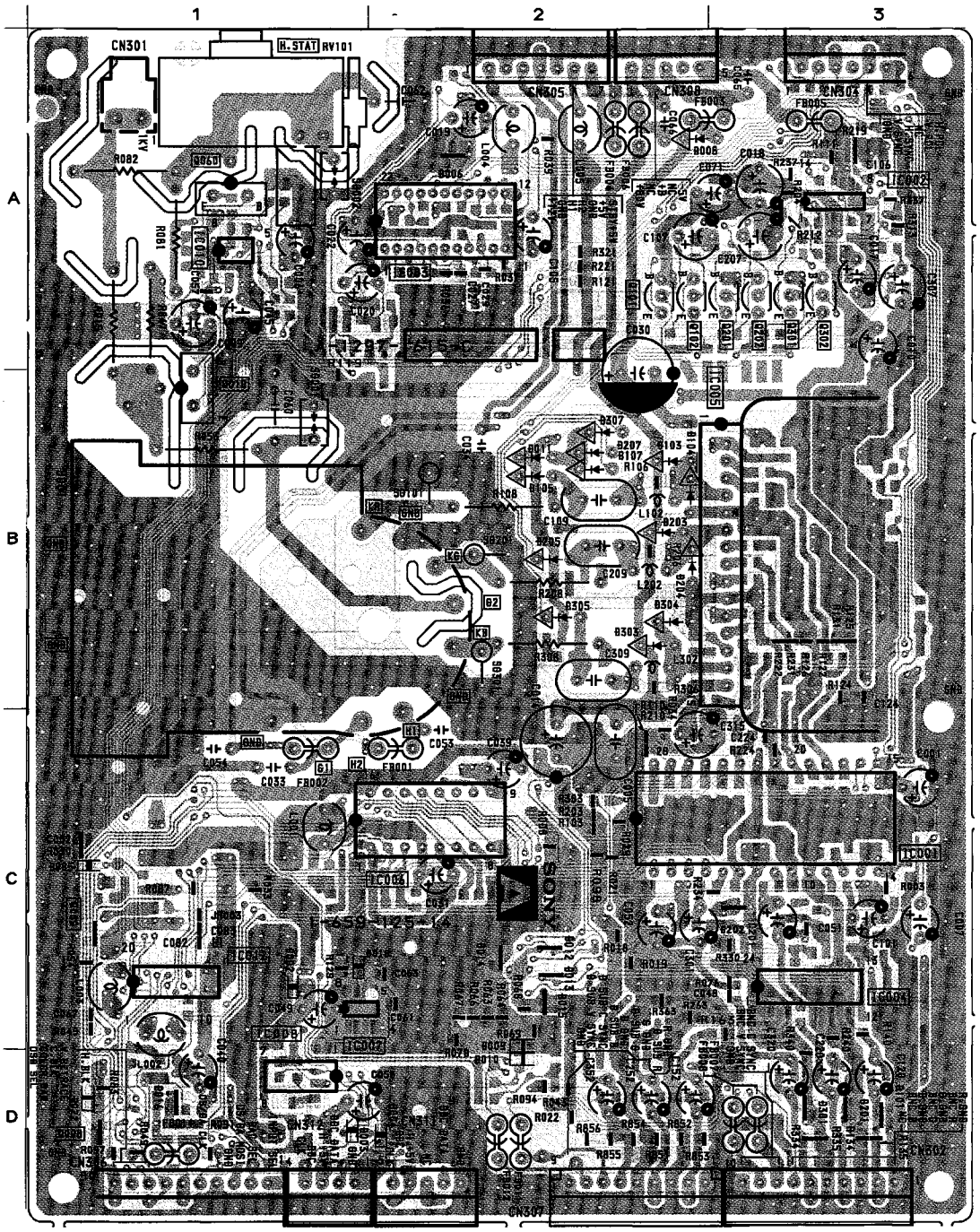
### Terminal name of semiconductors in sill printed circuit (*)

| | Device | Printed symbol | Terminal name |
|---|---|---|---|
| ① | Transistor | | Collector Base Emitter |
| ② | Transistor | | Collector Base Emitter |
| ③ | Diode |  | Cathode Ano |
| ④ | Diode |  | Common Anode Cathoc |
| ⑤ | Diode |  | Common Anode Cathod |
| – | Discrete semiconductor | | |

**NOTE:**
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

EO AMP,
B OUT

## — A BOARD (Component side) —




- ▒▒▒ : Pattern from the side which enables seeing.
- ▒▒▒ : Pattern of the rear side.

## SEMICONDUCTOR LOCATION

| | (Component Side) |
|---|---|
| | C–3 |
| | A–3 |
| | A–2 |
| | C–3 |
| | B–3 |
| | C–2 |
| | C–1 |
| | D–1 |
| | A–1 |
| | C–1 |
| TOR | |
| (Component Side) | * |
| | ① |
| | ① |
| | ① |
| | ① |
| D–1 | ② |
| C–1 | ② |
| B–1 | – |
| A–1 | – |
| A–2 | – |
| A–2 | – |
| | ① |
| | ① |
| A–3 | – |
| A–3 | – |
| | ① |
| | ① |
| A–3 | – |
| A–3 | – |
| | ① |
| | ① |
| (Component Side) | * |
| | ③ |

| | | | |
|---|---|---|---|
| D002 | | C–1 | ③ |
| D003 | | D–1 | ③ |
| D004 | | D–2 | ③ |
| D005 | | C–1 | ③ |
| D007 | B–1 | | ③ |
| D008 | A–1 | A–2 | – |
| D011 | B–2 | B–2 | – |
| D012 | | C–2 | ⑤ |
| D013 | | C–2 | ⑤ |
| D014 | | C–2 | ⑤ |
| D015 | | C–2 | ⑤ |
| D016 | | D–1 | ⑤ |
| D018 | | C–1 | ③ |
| D019 | D–2 | | ③ |
| D020 | D–2 | | ③ |
| D021 | D–2 | | ③ |
| D022 | | D–1 | ③ |
| D101 | | D–3 | ⑤ |
| D103 | B–1 | B–2 | – |
| D104 | B–1 | B–2 | – |
| D105 | B–2 | B–2 | – |
| D107 | B–1 | B–2 | – |
| D111 | C–1 | | ④ |
| D201 | | D–3 | ⑤ |
| D203 | B–1 | B–2 | – |
| D204 | B–1 | B–2 | – |
| D205 | B–2 | B–2 | – |
| D207 | B–1 | B–2 | – |
| D211 | C–1 | | ④ |
| D301 | | D–3 | ⑤ |
| D303 | B–1 | B–2 | – |
| D304 | B–1 | B–2 | – |
| D305 | B–2 | B–2 | – |
| D307 | B–2 | B–2 | – |
| D311 | C–2 | | ④ |

### VARIABLE RESISTOR

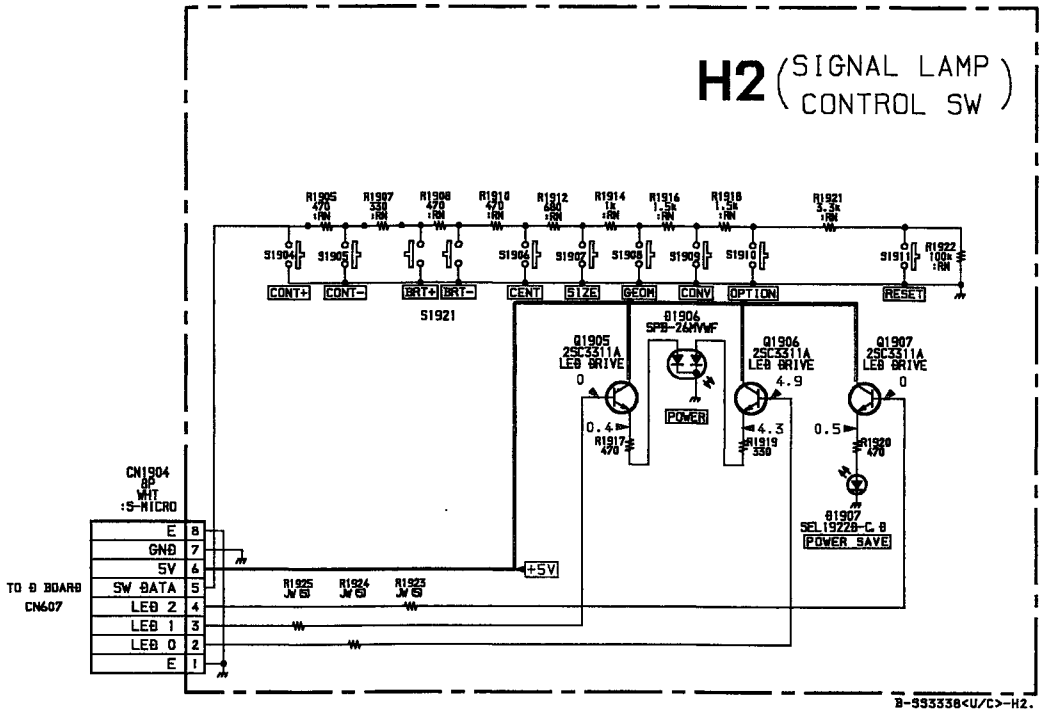
| | (Conductor Side) | (Component Side) |
|---|---|---|
| RV101 | A–3 | A–1 |

## of semiconductors in silk screen (*)

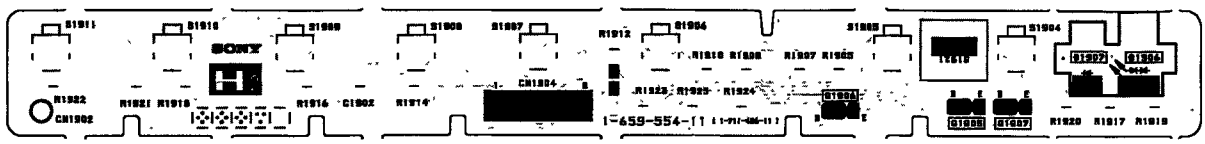
| Printed symbol | Terminal name | Circuit |
|---|---|---|
| T | Collector / Base T Emitter | |
| — | Collector / Base Emitter | |
| 凸 | Cathode — Anode | |
| T | Common / Anode T Cathode | |
| — | Common / Anode Cathode | |

nductor

### (3) Schematic Diagram of H2 Board



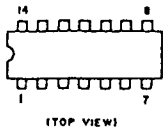

### — H2 BOARD —



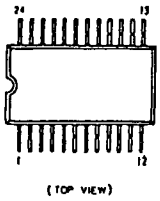

**Schematic diagram**
**H2 board**

## 5-4. SEMICONDUCTORS

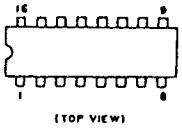
**BA10324**
**BA10324A**
**BA10339**



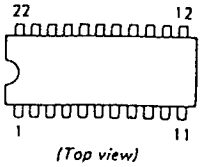

**BA7657F-E2**




**CD74HC4046AM**
**CD74HC4046AM-E2/SO**
**LSC4312P**
**TL494CN**

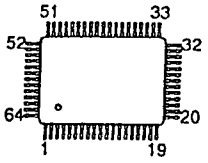



**CXA2016S**



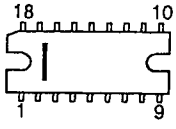
*(Top view)*

**CXD8478Q**



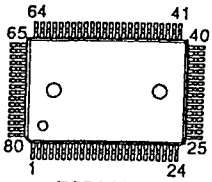
TOP VIEW

**DM-57**



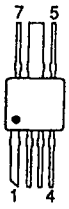
TOP VIEW

**HD6433337WA14H**



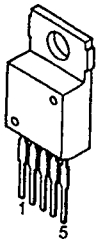
TOP VIEW

**IRSY5305**

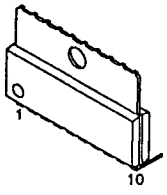


MARKING SIDE VIEW

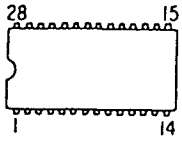
**LA6500-FA**




**LA6510**

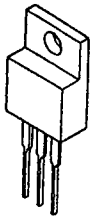



**LM2283N**

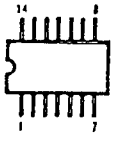


*(Top view)*

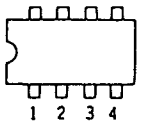
**LM2940CT**
**L7805CV**
**TA7805S**
**µPC24M12AHF**



**LM324M**
**LM324M-FL63**
**MC14066BF**
**SN74HC02ANS**
**SN74HC02ANS-E20**
**SN74HC74ANS**
**SN74HC74ANS-E20**

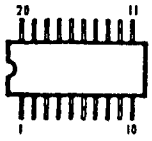



**MM1170BFB**
**M5218AP**
**NJM4558D**

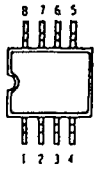


(Top view)

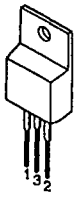
**M62352FP**
**M62352FP-75ND**



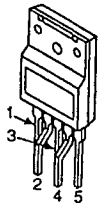

**NJM4558M-TE2**
**ST24C08FM6TR**
**TL082CPS-E20**
**TL082M**
**µPC4558G2**
**24LC21T/SN**



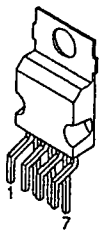

**NJM7905FA**



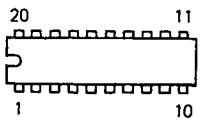

**SI-3050F**




**TDA8172**

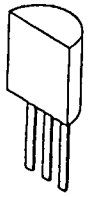



**TDA9102C**

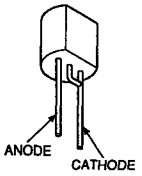


*(Top view)*

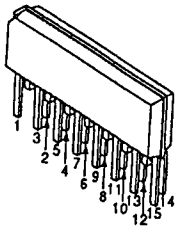
**µPC1093J**



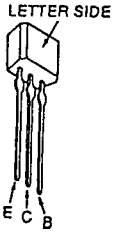
**µPC574J**



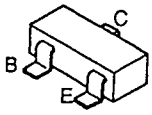

**VPS12**



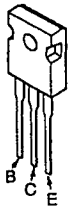

**DTA124ESA**
**DTC124ESA**
**2SA1048-YGR**
**2SA1175-HFE**
**2SA1309A-QRSTA**
**2SC2785-HFE**
**2SC3311A-QRSTA**




**DTC124EKA-T146**
**2SA1037K-T-146-QR**
**2SA1162-G**
**2SA1462-Y33**
**2SA1738-(TX)**
**2SC1623-L5L6**
**2SC2412K-T-146-QR**
**2SC3735-L-B35**
**2SC3735-T1B-B34**

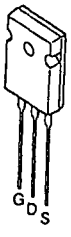



**FS16SM-10-A8**
**2SC5301-CC**

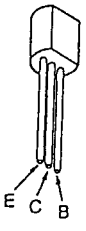



**IRFI9630GS**
**IRFI9630GS-LF**
**2SC3746**
**2SC4686A(LB SONY)**
**2SC5022-02**

**IRFPG50LF21**
**2SK2077(LB SONY)**




**2SA1091-O**
**2SA1371DE-AE**
**2SC2551-O**



# SECTION 6
# EXPLODED VIEWS

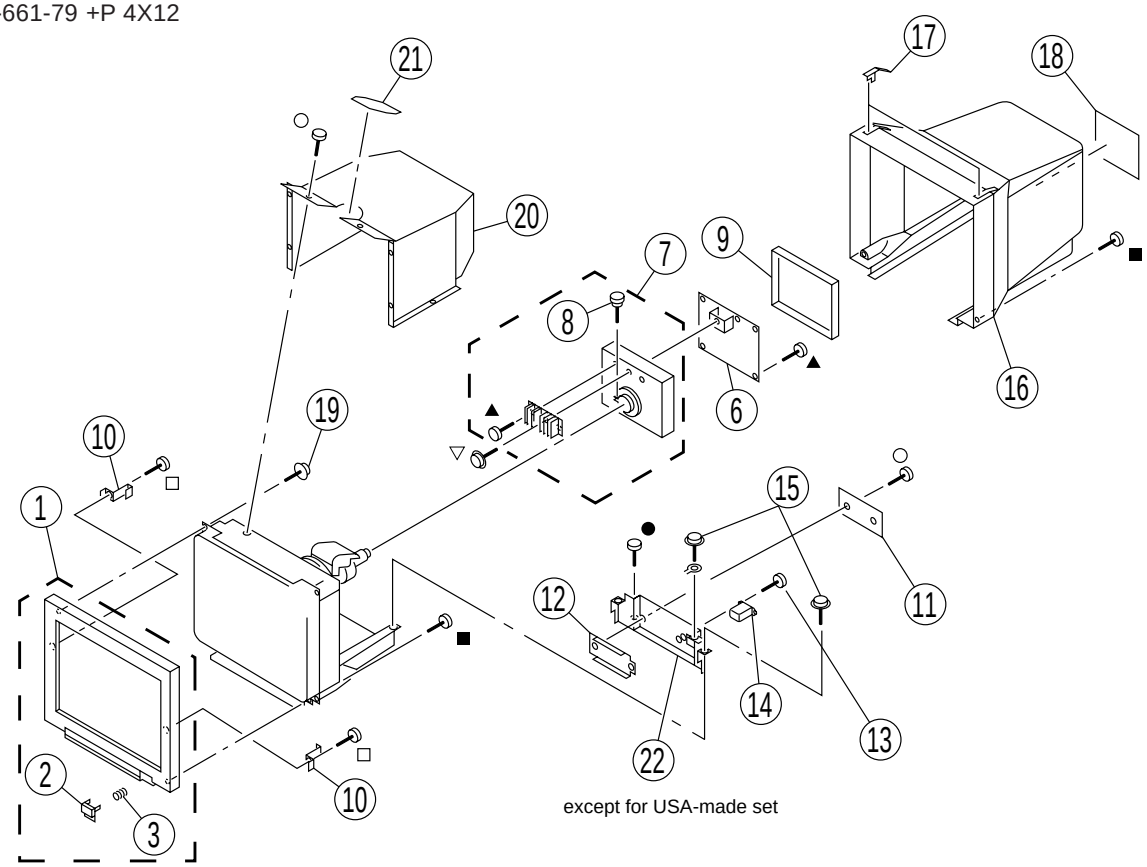
The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

## 6-1. CHASSIS

▲ 7-685-646-79 +BVTP 3X8
○ 7-685-872-09 +BVTT 3X8
▽ 7-682-949-01 +PSW 3X10
□ 7-685-661-79 +P 4X12
■ 7-685-663-71 +BVTP 4X16
● 7-685-648-79 +BVTP 3X12




except for USA-made set

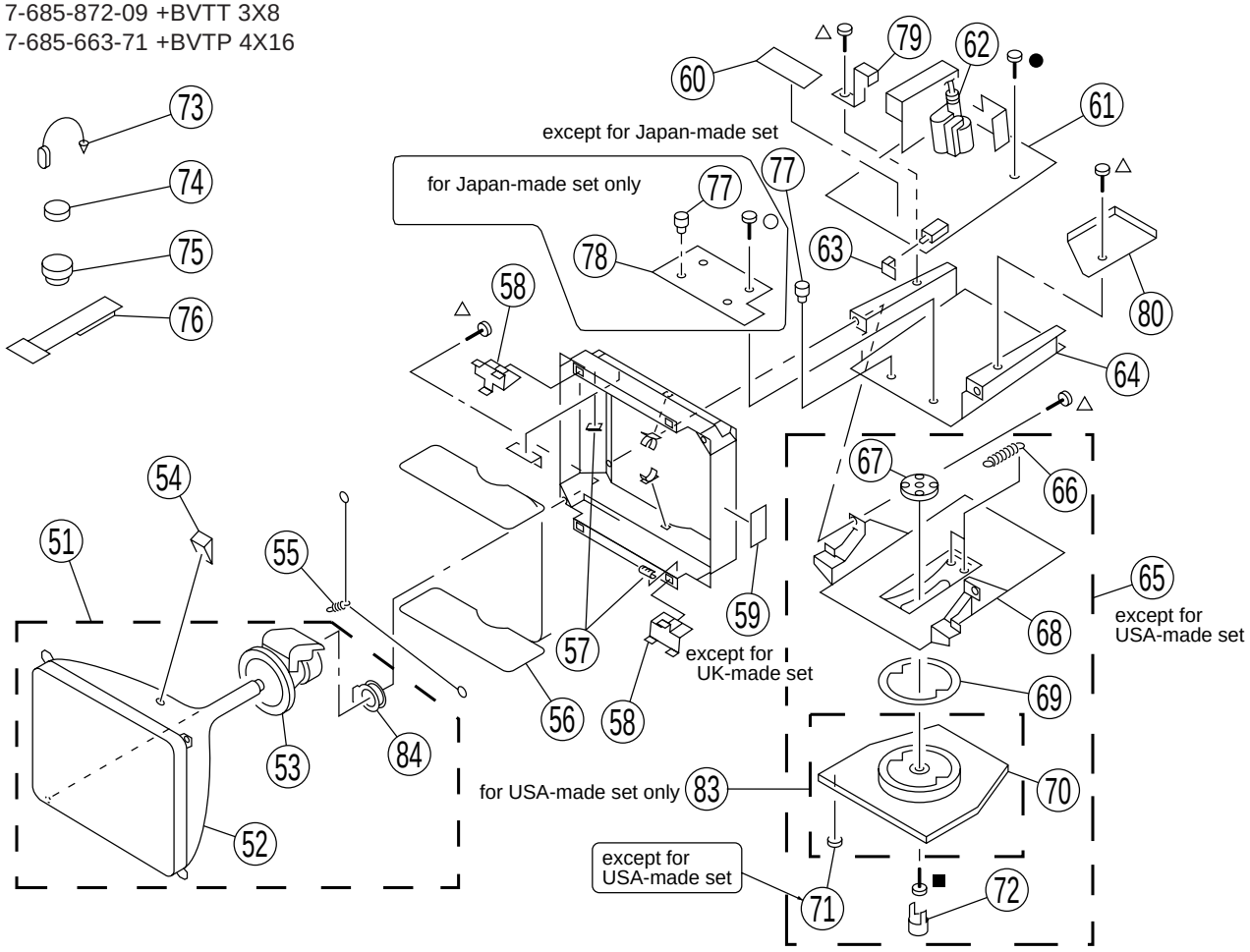
| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | X-4033-157-1 | BEZEL ASSY [for Japan-made set] | 2, 3 |
| 1 | X-4033-292-1 | BEZEL ASSY [for USA-made set] | 2, 3 |
| 1 | X-4033-306-1 | BEZEL ASSY [for UK-made set] | 2, 3 |
| 2 | 4-051-125-01 | BUTTON, POWER [for Japan-made set] | |
| 2 | 4-052-001-01 | BUTTON, POWER [for USA-made set] | |
| 2 | 4-052-051-01 | BUTTON, POWER [for UK-made set] | |
| 3 | 3-653-339-01 | SPRING, COMPRESSION [for Japan-made set] | |
| 3 | 3-653-339-11 | SPRING, COMPRESSION [for UK-made set] | |
| 3 | 3-653-339-21 | SPRING, COMPRESSION [for USA-made set] | |
| 6 | * 8-933-153-00 | A BOARD, COMPLETE | |
| 7 | X-4033-078-1 | VIDEO BLOCK ASSY [for Japan-made set] | 8 |
| 7 | * X-4033-434-1 | VIDEO BLOCK ASSY [for USA-made set] | 8 |
| 7 | X-4034-241-1 | VIDEO BLOCK ASSY [for UK-made set] | 8 |
| 8 | 4-041-627-01 | SCREW (M4X20), HEXAGON HEAD | |
| 9 | * 4-050-693-21 | SHIELD, VIDEO [for UK-made set] | |
| 9 | * 4-050-693-01 | SHIELD, VIDEO [for Japan-made set] | |
| 9 | * 4-050-693-11 | SHIELD, VIDEO [for USA-made set] | |
| 10 | 4-052-459-01 | HOOK (17) [except for USA-made set] | |
| 10 | 4-052-459-11 | HOOK (17) [for USA-made set] | |
| 11 | 4-051-617-01 | SHEET, CONNECTOR | |
| 12 | 1-694-062-11 | TERMINAL BOARD ASSY, I/O | |
| 13 | 4-052-345-01 | SCREW, (3X8) (+K), TAPPING | |
| 14 | ¡ 1-251-382-12 | INLET, AC 3P(WITH NOISE FILTE) | |
| 15 | 4-389-025-01 | SCREW (M4) (EXT TOOTH WASHER) | |
| 16 | 4-051-132-01 | CABINET [for Japan-made set] | |
| 16 | 4-051-181-11 | CABINET [for UK-made set] | |
| 16 | 4-051-238-11 | CABINET [for USA-made set] | |
| 17 | 4-051-122-01 | COVER, SCREW [for Japan-made set] | |
| 17 | 4-051-174-11 | COVER, SCREW [for UK-made set] | |
| 17 | 4-051-963-11 | COVER, SCREW [for USA-made set] | |
| 18 | * 4-051-128-01 | LABEL, INFORMATION [U/C for Japan-made set, AEP for Japan-made set] | |
| 18 | * 4-051-128-61 | LABEL, INFORMATION [SH] | |
| 18 | * 4-052-003-01 | LABEL, INFORMATION [for USA-made set] | |
| 18 | * 4-052-053-01 | LABEL, INFORMATION [for UK-made set] | |
| 19 | 4-365-808-01 | SCREW (5), TAPPING | |
| 20 | * 4-050-696-01 | SHIELD, EMI [for Japan-made set] | |
| 20 | * 4-051-236-01 | SHIELD, EMI [for USA-made set] | |
| 20 | * 4-053-767-01 | SHIELD, EMI [for UK-made set] | |
| 21 | * 4-056-259-01 | COVER, ANODE CAP | |
| 22 | X-4033-433-1 | BRACKET ASSY, TERMINAL BOARD [except for USA-made set] | 11 |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

## 6-2. PICTURE TUBE

● 7-685-648-79 +BVTP 3X12
△ 7-682-562-04 +BVTT 4X10
○ 7-685-872-09 +BVTT 3X8
■ 7-685-663-71 +BVTP 4X16

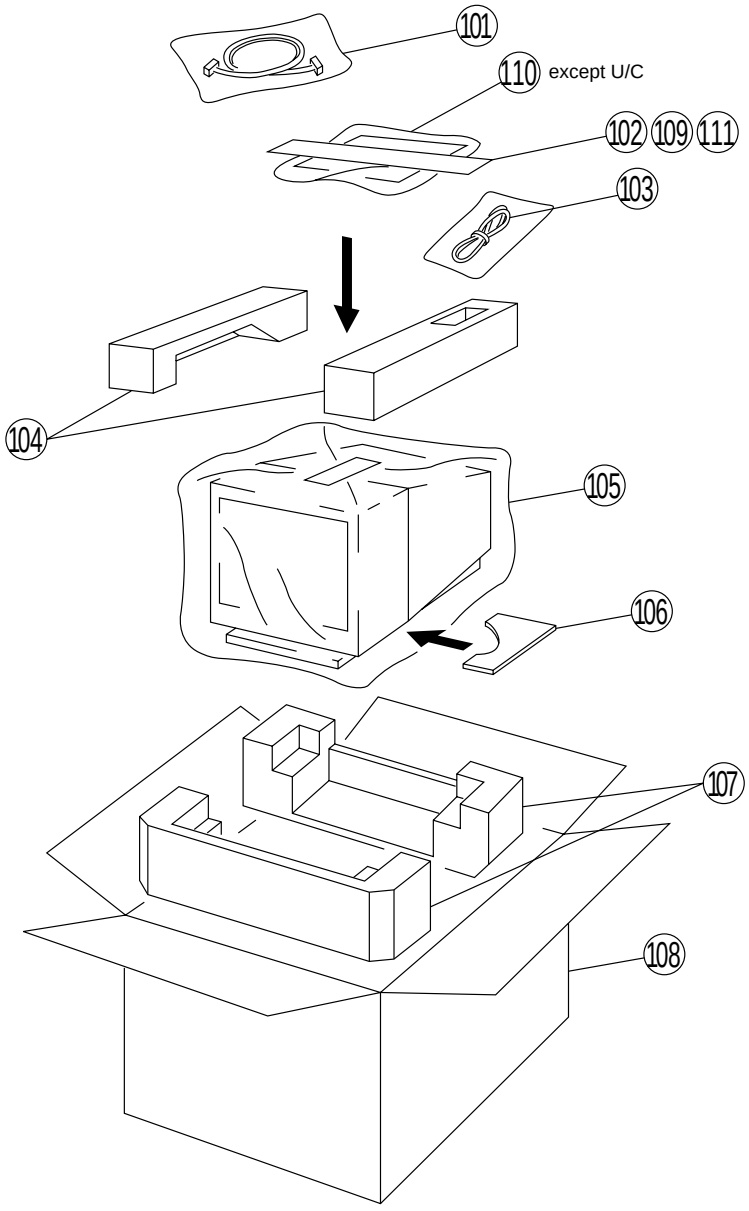

except for Japan-made set
for Japan-made set only
except for UK-made set
except for USA-made set
for USA-made set only
except for USA-made set

| REF.NO. | | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|---|
| 51 | ¡ | 8-738-605-94 | ITC ASSY (17SAFK-R3) | 52, 53, 84 |
| 51 | ¡ | 8-738-639-90 | ITC ASSY (17SAFK-RS3) [SH] | 52, 53, 84 |
| 52 | ¡ | 8-738-605-05 | PICTURE TUBE (17SAFK) [for USA-made set, for UK-made set] | |
| 52 | ¡ | 8-738-617-05 | PICTURE TUBE (17SAFK (S)) [SH] | |
| 52 | ¡ | 8-738-716-05 | PICTURE TUBE (17SAFK) [U/C for Japan-made set, AEP for Japan-made set] | |
| 53 | ¡ | 8-451-478-11 | DEFLECTION YOKE (Y17SAH5-M) | |
| 54 | | 4-040-897-01 | SPACER, DY [for USA-made set] | |
| 54 | | 4-050-492-01 | SPACER, DY [except for USA-made set] | |
| 55 | * | 4-047-316-01 | SPRING, TENSION | |
| 56 | ¡ | 1-411-634-11 | COIL, DEMAGNETIC | |
| 57 | * | 4-052-511-02 | SPRING, EMI (17) 2 | |
| 58 | * | 4-056-260-01 | SPACER, DEGAUSSER COIL | |
| 59 | * | 4-046-834-21 | LABEL, X-RAY [except for UK-made set] | |
| 60 | * | 8-933-155-00 | N BOARD, COMPLETE | |
| 61 | * | 8-933-154-00 | D BOARD, COMPLETE | |
| 62 | ¡ | X-4033-463-1 | TRANSFORMER ASSY, FLYBACK (NX-4110//J1E4) | |
| 63 | * | 4-394-972-21 | CAP, POWER | |
| 64 | * | 4-050-695-01 | SHIELD, BOTTOM [for Japan-made set] | |
| 64 | * | X-4033-508-1 | SHIELD ASSY, BOTTOM [for USA-made set] | 77 |
| 64 | * | X-4033-698-1 | SHIELD ASSY, BOTTOM [for UK-made set] | 77 |
| 65 | * | X-4033-158-1 | BASE ASSY [for Japan-made set] | 66-72 |
| 65 | * | X-4033-307-1 | BASE ASSY [for UK-made set] | 66-72 |
| 66 | | 4-046-901-01 | SPRING, TENSION | |
| 67 | | 4-050-692-01 | STOPPER (A) [except for USA-made set] | |
| 67 | * | 4-050-692-11 | STOPPER (A) [for USA-made set] | |
| 68 | | 4-051-133-01 | COVER, BOTTOM [for Japan-made set] | |
| 68 | | 4-051-182-11 | COVER, BOTTOM [for UK-made set] | |
| 68 | | 4-051-239-11 | COVER, BOTTOM [for USA-made set] | |
| 69 | * | 4-041-625-01 | RING, TILT SWIVEL [except for USA-made set] | |
| 69 | * | 4-041-625-21 | RING, TILT SWIVEL [for USA-made set] | |
| 70 | | 4-051-130-01 | BASE, STAND [for Japan-made set] | |
| 70 | | 4-051-183-11 | BASE, STAND [for UK-made set] | |
| 70 | | 4-051-240-11 | BASE, STAND [for USA-made set] | |
| 71 | | 4-047-474-01 | FOOT, RUBBER [except for USA-made set] | |
| 72 | | 4-041-621-01 | STOPPER (B) [except for USA-made set] | |
| 72 | * | 4-041-621-21 | STOPPER (B) [for USA-made set] | |
| 73 | | 4-308-870-00 | CLIP, LEAD WIRE | |
| 74 | | 1-452-032-00 | MAGNET,DISC ; 10mmϕ | |
| 75 | | 1-452-094-00 | MAGNET, ROTATABLE DISK ; 15mmϕ | |
| 76 | | X-4030-584-1 | PERMALLOY ASSY, CORRECTION | |
| 77 | | 3-682-057-01 | SPACER (SMALL) | |
| 78 | * | X-4033-396-2 | SHIELD ASSY, FRONT [for Japan-made set] | |
| 79 | * | 4-051-907-01 | HOLDER (D1) [except for USA-made set] | |
| 79 | * | 4-051-907-11 | HOLDER (D1) [for USA-made set] | |
| 80 | * | 4-051-908-01 | SHIELD (D3) | |
| 83 | * | X-4033-293-1 | STAND BASE ASSY [for USA-made set] | 70 |
| 84 | ¡ | 8-453-006-31 | NECK ASSY, PICTURE TUBE (NA3013-M3) | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

## 6-3. ACCESSORIES AND PACKING MATERIALS




| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 101 | 1-777-743-11 | CABLE ASSY(15PDSUBX2CONNECTOR) | |
| 102 | 3-810-246-11 | MANUAL, INSTRUCTION | [U/C for Japan-made set, SH] |
| 102 | 3-810-246-21 | MANUAL, INSTRUCTION | [AEP for Japan-made set] |
| 102 | 3-810-246-32 | MANUAL, INSTRUCTION | [for USA-made set] |
| 102 | 3-810-246-41 | MANUAL, INSTRUCTION | [for UK-made set] |
| 103 | ¡ 1-558-481-12 | CORD, POWER (10A/125V) | [SH] |
| 103 | ¡ 1-765-717-11 | CORD SET, POWER (10A/250V) | [AEP for Japan-made set] |
| 103 | ¡ 1-765-581-11 | CORD SET, POWER SUPPLY (10A/125V) | [AEP for UK-made set] |
| 103 | ¡ 1-765-718-11 | CORD SET, POWER (10A/125V) | [U/C] |
| 103 | ¡ 1-775-706-11 | CORD SET, POWER (10A/250V) | [U/K] |
| 104 | * 4-050-975-01 | CUSHION (UPPER) (ASSY) | [for Japan-made set] |
| 104 | * 4-051-186-01 | CUSHION (UPPER) (ASSY) | [for UK-made set] |
| 104 | * 4-051-193-01 | CUSHION (UPPER) (ASSY) | [for USA-made set] |
| 105 | * 4-041-927-01 | BAG, POLYETHYLENE | [for UK-made set] |
| 105 | * 4-041-927-11 | BAG, POLYETHYLENE | [except for UK-made set] |
| 106 | * 4-046-460-01 | PAT, TILT FIXED | |
| 107 | * 4-050-976-01 | CUSHION (LOWER) (ASSY) | [for Japan-made set] |
| 107 | * 4-051-187-01 | CUSHION (LOWER) (ASSY) | [for UK-made set] |
| 107 | * 4-051-194-01 | CUSHION (LOWER) (ASSY) | [for USA-made set] |
| 108 | * 4-050-974-01 | INDIVIDUAL CARTON | [U/C for Japan-made set, SH] |
| 108 | * 4-051-512-01 | INDIVIDUAL CARTON | [AEP for Japan-made set] |
| 108 | * 4-051-992-01 | INDIVIDUAL CARTON | [for USA-made set] |
| 108 | * 4-051-993-01 | INDIVIDUAL CARTON | [for UK-made set] |
| 109 | 1-573-983-31 | ADAPTOR (for Macintosh) | [for USA-made set, SH] |
| 109 | 1-774-626-21 | ADAPTOR (for Macintosh) | [except for USA-made set, except SH] |
| 110 | 1-774-648-21 | ADAPTOR (for VGA) | [except U/C] |
| 111 | 4-056-722-01 | MONITOR INFORMATION DISK (WINDOWS 95) (3.5") | [excep for USA-made set] |
| 111 | 4-056-722-11 | MONITOR INFORMATION DISK (WINDOWS 95) (3.5") | [for USA-made set] |

# SECTION 7
# ELECTRICAL PARTS LIST

A

NOTE:

The components identified by shading and mark △1 are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque △1 sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

The components identified by **[** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
• All resistors are in ohms
• F : nonflammable

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• CAPACITORS
• MF : µF

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| * | 8-933-153-00 | A BOARD, COMPLETE | | | |
| | | ********** | | | |
| | 7-682-950-01 | SCREW +PSW 3X12 (IC005) | | | |
| | | <CAPACITOR> | | | |
| C001 | 1-107-909-11 | ELECT | 47MF | 20% 16V | |
| C002 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% 50V | |
| C003 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C004 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C005 | 1-137-528-11 | FILM | 0.1MF | 10% 250V | |
| C006 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C007 | 1-107-907-11 | ELECT | 22MF | 20% 25V | |
| C008 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C009 | 1-104-665-11 | ELECT | 100MF | 20% 25V | |
| C010 | 1-107-909-11 | ELECT | 47MF | 20% 16V | |
| C011 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C012 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C013 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C014 | 1-107-932-11 | ELECT | 47MF | 20% 100V | |
| C015 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C019 | 1-126-963-11 | ELECT | 4.7MF | 20% 50V | |
| C020 | 1-126-963-11 | ELECT | 4.7MF | 20% 50V | |
| C021 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | |
| C022 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C023 | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% 50V | |
| C024 | 1-164-489-11 | CERAMIC CHIP | 0.22MF | 10% 16V | |
| C025 | 1-164-489-11 | CERAMIC CHIP | 0.22MF | 10% 16V | |
| C026 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C027 | 1-164-489-11 | CERAMIC CHIP | 0.22MF | 10% 16V | |
| C028 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C030 | 1-107-746-11 | ELECT | 10MF | 20% 200V | |
| C031 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C032 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C033 | 1-102-030-00 | CERAMIC | 330PF | 10% 500V | |
| C034 | 1-162-318-11 | CERAMIC | 0.001MF | 10% 500V | |
| C035 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C036 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C038 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C039 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C040 | 1-128-551-11 | ELECT | 22MF | 20% 25V | |
| C042 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C043 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C044 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C047 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C048 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% 50V | |
| C049 | 1-126-960-11 | ELECT | 1MF | 20% 50V | |
| C050 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% 50V | |
| C051 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C052 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C055 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C058 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C060 | 1-162-114-00 | CERAMIC | 0.0047MF | 2KV | |
| C062 | 1-162-134-11 | CERAMIC | 470PF | 10% 2KV | |
| C064 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C065 | 1-162-318-11 | CERAMIC | 0.001MF | 10% 500V | |
| C066 | 1-162-318-11 | CERAMIC | 0.001MF | 10% 500V | |
| C068 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% 50V | |
| C071 | 1-107-909-11 | ELECT | 47MF | 20% 16V | |
| C079 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C100 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C101 | 1-107-902-11 | ELECT | 1MF | 20% 50V | |
| C102 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C103 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C104 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C105 | 1-126-960-11 | ELECT | 1MF | 20% 50V | |
| C106 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C107 | 1-107-949-11 | ELECT | 2.2MF | 20% 200V | |
| C109 | 1-137-528-11 | FILM | 0.1MF | 10% 250V | |
| C110 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% 50V | |
| C120 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C124 | 1-163-125-00 | CERAMIC CHIP | 220PF | 5% 50V | |
| C130 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF 50V | |
| C151 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C152 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |
| C200 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C201 | 1-107-902-11 | ELECT | 1MF | 20% 50V | |
| C202 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C203 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C204 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% 25V | |
| C206 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% 50V | |
| C207 | 1-107-949-11 | ELECT | 2.2MF | 20% 200V | |
| C209 | 1-137-528-11 | FILM | 0.1MF | 10% 250V | |
| C210 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% 50V | |
| C220 | 1-126-967-11 | ELECT | 47MF | 20% 16V | |

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| C224 | 1-163-125-00 | CERAMIC CHIP 220PF 5% 50V | |
| C230 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF 50V | |
| C251 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C252 | 1-126-967-11 | ELECT 47MF 20% 16V | |
| C300 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C301 | 1-107-902-11 | ELECT 1MF 20% 50V | |
| C302 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% 25V | |
| C303 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C304 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% 25V | |
| C306 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C307 | 1-107-949-11 | ELECT 2.2MF 20% 200V | |
| C309 | 1-137-528-11 | FILM 0.1MF 10% 250V | |
| C310 | 1-163-239-11 | CERAMIC CHIP 33PF 5% 50V | |
| C314 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C315 | 1-104-653-11 | ELECT 220MF 20% 16V | |
| C320 | 1-126-967-11 | ELECT 47MF 20% 16V | |
| C324 | 1-163-125-00 | CERAMIC CHIP 220PF 5% 50V | |
| C330 | 1-163-227-11 | CERAMIC CHIP 10PF 0.5PF 50V | |
| C351 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% 50V | |
| C352 | 1-126-967-11 | ELECT 47MF 20% 16V | |
| | | <CONNECTOR> | |
| CN301* | 1-766-179-11 | PIN, CONNECTOR (PC BOARD) 2P | |
| CN302* | 1-564-525-11 | PLUG, CONNECTOR 10P | |
| CN304* | 1-564-521-11 | PLUG, CONNECTOR 6P | |
| CN305* | 1-564-522-11 | PLUG, CONNECTOR 7P | |
| CN306* | 1-564-525-11 | PLUG, CONNECTOR 10P | |
| CN307* | 1-564-524-11 | PLUG, CONNECTOR 9P | |
| CN308* | 1-564-520-11 | PLUG, CONNECTOR 5P | |
| CN311* | 1-564-520-11 | PLUG, CONNECTOR 5P | |
| CN312* | 1-564-519-11 | PLUG, CONNECTOR 4P | |
| | | <DIODE> | |
| D001 | 8-719-404-49 | DIODE MA111 | |
| D002 | 8-719-404-49 | DIODE MA111 | |
| D003 | 8-719-976-99 | ZENER DIODE DTZ5.1B | |
| D004 | 8-719-976-99 | ZENER DIODE DTZ5.1B | |
| D005 | 8-719-404-49 | DIODE MA111 | |
| D007 | 8-719-404-49 | DIODE MA111 | |
| D008 | 8-719-970-83 | DIODE HSS82 | |
| D011 | 8-719-970-83 | DIODE HSS82 | |
| D012 | 8-719-800-76 | DIODE 1SS226 | |
| D013 | 8-719-800-76 | DIODE 1SS226 | |
| D014 | 8-719-800-76 | DIODE 1SS226 | |
| D015 | 8-719-800-76 | DIODE 1SS226 | |
| D016 | 8-719-800-76 | DIODE 1SS226 | |
| D018 | 8-719-976-99 | ZENER DIODE DTZ5.1B | |
| D019 | 8-719-404-49 | DIODE MA111 | |
| D020 | 8-719-404-49 | DIODE MA111 | |
| D021 | 8-719-404-49 | DIODE MA111 | |
| D022 | 8-719-404-49 | DIODE MA111 | |
| D101 | 8-719-800-76 | DIODE 1SS226 | |
| D103 | 8-719-970-83 | DIODE HSS82 | |
| D104 | 8-719-970-83 | DIODE HSS82 | |
| D105 | 8-719-970-83 | DIODE HSS82 | |
| D107 | 8-719-970-83 | DIODE HSS82 | |
| D111 | 8-719-800-76 | DIODE 1SS226 | |
| D201 | 8-719-800-76 | DIODE 1SS226 | |
| D203 | 8-719-970-83 | DIODE HSS82 | |
| D204 | 8-719-970-83 | DIODE HSS82 | |
| D205 | 8-719-970-83 | DIODE HSS82 | |
| D207 | 8-719-970-83 | DIODE HSS82 | |
| D211 | 8-719-800-76 | DIODE 1SS226 | |
| D301 | 8-719-800-76 | DIODE 1SS226 | |
| D303 | 8-719-970-83 | DIODE HSS82 | |
| D304 | 8-719-970-83 | DIODE HSS82 | |
| D305 | 8-719-970-83 | DIODE HSS82 | |
| D307 | 8-719-970-83 | DIODE HSS82 | |
| D311 | 8-719-800-76 | DIODE 1SS226 | |
| | | <FERRITE BEAD> | |
| FB001 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB002 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB003 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB004 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB005 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB006 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB007 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB008 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB011 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB012 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| FB014 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| | | <IC> | |
| IC001 | 8-759-358-83 | IC LM2283N | |
| IC002 | 8-759-502-82 | IC LM324M | |
| IC003 | 8-752-073-52 | IC CXA2016S | |
| IC004 | 8-759-360-07 | IC BA7657F-E2 | |
| IC005 | 8-749-011-84 | IC VPS12 | |
| IC006 | 8-759-359-03 | IC LSC4312P | |
| IC007 | 8-759-370-08 | IC 24LC21T/SN | |
| IC008 | 8-759-008-67 | IC MC14066BF | |
| IC010 | 8-759-100-96 | IC UPC4558G2 | |
| IC012 | 8-759-044-65 | IC M62352FP | |
| | | <JACK> | |
| J001 ¡ | 1-251-116-12 | SOCKET, PICTURE TUBE | |
| | | <CHIP CONDUCTOR> | |
| JR001 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR002 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR101 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR201 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR301 | 1-216-295-91 | CONDUCTOR, CHIP | |

# A

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <COIL> | | | |
| L001 | 1-410-682-31 | INDUCTOR | 470UH | | |
| L002 | 1-410-645-31 | INDUCTOR | 100UH | | |
| L003 | 1-410-645-31 | INDUCTOR | 100UH | | |
| L004 | 1-410-678-31 | INDUCTOR | 220UH | | |
| L005 | 1-410-678-31 | INDUCTOR | 220UH | | |
| L102 | 1-414-137-31 | INDUCTOR | 0.22UH | | |
| L202 | 1-414-137-31 | INDUCTOR | 0.22UH | | |
| L302 | 1-414-137-31 | INDUCTOR | 0.22UH | | |
| | | <TRANSISTOR> | | | |
| Q002 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | |
| Q003 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| Q006 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| Q007 | 8-729-140-47 | TRANSISTOR | 2SC3735-L-B35 | | |
| Q008 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | |
| Q009 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| Q010 | 8-729-032-61 | TRANSISTOR | 2SC5022-02 | | |
| Q060 | 8-729-032-61 | TRANSISTOR | 2SC5022-02 | | |
| Q101 | 8-729-255-12 | TRANSISTOR | 2SC2551-O | | |
| Q102 | 8-729-200-17 | TRANSISTOR | 2SA1091-O | | |
| Q104 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| Q111 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| Q201 | 8-729-255-12 | TRANSISTOR | 2SC2551-O | | |
| Q202 | 8-729-200-17 | TRANSISTOR | 2SA1091-O | | |
| Q204 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| Q211 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| Q301 | 8-729-255-12 | TRANSISTOR | 2SC2551-O | | |
| Q302 | 8-729-200-17 | TRANSISTOR | 2SA1091-O | | |
| Q304 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| Q311 | 8-729-112-65 | TRANSISTOR | 2SA1462-Y33 | | |
| | | <RESISTOR> | | | |
| R001 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R002 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R003 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R004 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R005 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R006 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W |
| R007 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R008 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R009 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R010 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R011 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R012 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R013 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R014 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R015 | 1-211-885-21 | METAL | 2.2M | 5% | 1W |
| R016 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R017 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R018 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R019 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R020 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R021 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R023 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R024 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R025 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R026 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R027 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R028 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R029 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R030 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R031 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R032 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R033 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R034 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R035 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R036 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R037 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R038 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R039 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R042 | 1-216-677-11 | METAL CHIP | 12K | 0.50% | 1/10W |
| R044 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R045 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R046 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R047 | 1-211-895-11 | METAL | 10M | 10% | 1/4W |
| R048 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R049 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R050 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R051 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R052 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R053 | 1-202-830-00 | SOLID | 10K | 20% | 1/2W |
| R054 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R055 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R056 | 1-218-768-11 | METAL CHIP | 470K | 0.50% | 1/10W |
| R057 | 1-216-659-11 | METAL CHIP | 2.2K | 0.50% | 1/10W |
| R058 | 1-216-667-11 | METAL CHIP | 4.7K | 0.50% | 1/10W |
| R059 | 1-216-659-11 | METAL CHIP | 2.2K | 0.50% | 1/10W |
| R060 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R061 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R062 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R063 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R064 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R067 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R068 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R071 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R072 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W |
| R073 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R074 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R075 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R076 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R077 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R078 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R079 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R080 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R081 | 1-211-895-11 | METAL | 10M | 10% | 1/4W |
| R082 | 1-211-885-21 | METAL | 2.2M | 5% | 1W |
| R083 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R084 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R085 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |

# A

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R087 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R089 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R090 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R091 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R093 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R096 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R097 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R098 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R101 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R102 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R103 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R104 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R106 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R107 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R108 | 1-247-735-11 | SOLID | 47 | 20% | 1/2W |
| R109 | 1-216-039-00 | METAL GLAZE | 390 | 5% | 1/10W |
| R111 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R112 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R113 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R114 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R115 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R116 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R117 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R120 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R121 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R122 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R123 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R124 | 1-216-663-11 | METAL CHIP | 3.3K | 0.50% | 1/10W |
| R125 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R126 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R127 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R129 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R130 | 1-216-029-00 | METAL GLAZE | 150 | 5% | 1/10W |
| R131 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R132 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R134 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R140 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R141 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R150 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R161 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R162 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R163 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R171 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R172 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R180 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R201 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R202 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R203 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R204 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R206 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R207 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R208 | 1-247-735-11 | SOLID | 47 | 20% | 1/2W |
| R209 | 1-216-039-00 | METAL GLAZE | 390 | 5% | 1/10W |
| R211 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R212 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R213 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R214 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R215 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R216 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R217 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R220 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R221 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R222 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R223 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R224 | 1-216-663-11 | METAL CHIP | 3.3K | 0.50% | 1/10W |
| R230 | 1-216-029-00 | METAL GLAZE | 150 | 5% | 1/10W |
| R231 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R232 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R240 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R241 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R250 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R261 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R262 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R263 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R271 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R272 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R280 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R301 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R302 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R303 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R304 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R306 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R307 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R308 | 1-247-735-11 | SOLID | 47 | 20% | 1/2W |
| R309 | 1-216-039-00 | METAL GLAZE | 390 | 5% | 1/10W |
| R311 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R312 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R313 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R314 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R315 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R316 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R317 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R318 | 1-216-039-00 | METAL GLAZE | 390 | 5% | 1/10W |
| R319 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R320 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R321 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R322 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R323 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R324 | 1-216-663-11 | METAL CHIP | 3.3K | 0.50% | 1/10W |
| R330 | 1-216-029-00 | METAL GLAZE | 150 | 5% | 1/10W |
| R331 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R332 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R334 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R340 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R341 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R350 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R361 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R362 | 1-216-631-11 | METAL CHIP | 150 | 0.50% | 1/10W |
| R363 | 1-216-009-00 | METAL GLAZE | 22 | 5% | 1/10W |
| R371 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R372 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R380 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |

# A D

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <VARIABLE RESISTOR> | | | |
| RV101 | 1-223-410-11 | RES, ADJ, METAL FILM 110M (H.STAT) | | | |
| | | <SPARK GAP> | | | |
| SG001 | 1-519-422-11 | GAP, SPARK | | | |
| SG002 | 1-519-422-11 | GAP, SPARK | | | |
| SG101 | 1-517-499-21 | GAP, SPARK | | | |
| SG201 | 1-517-499-21 | GAP, SPARK | | | |
| SG301 | 1-517-499-21 | GAP, SPARK | | | |
| ********** | | | | | |
| * | 8-933-154-00 | D BOARD, COMPLETE<br>********** | | | |
| | 2-371-561-00 | BUSHING (P), INSULATING (IC504) | | | |
| | 3-710-578-01 | COVER, VOLUME, 6 MOLD<br>(RV401, RV601) | | | |
| | 4-041-624-01 | HOLDER (H1), LED (D806, D807) | | | |
| * | 4-043-154-01 | HOLDER, IC (Q407) | | | |
| * | 4-043-990-01 | HEAT SINK (D600) | | | |
| | 4-050-691-01 | HOLDER, IC (IC402) | | | |
| | 4-051-602-11 | SHEET, RADIATION (IC504) | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+)<br>(IC504, IC608, IC702, Q408, Q410, Q417, Q420, Q600, Q645, Q647, D600, D601, D651) | | | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | | | |
| | | <CAPACITOR> | | | |
| C400 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C401 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V |
| C402 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C403 | 1-128-528-11 | ELECT | 470MF | 20% | 25V |
| C404 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C405 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C406 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C407 | 1-106-375-12 | MYLAR | 0.022MF | 99% | 200V |
| C408 | 1-106-375-12 | MYLAR | 0.022MF | 99% | 200V |
| C409 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C411 | 1-107-433-11 | FILM | 0.006MF | 3% | 2KV |
| C412 | 1-129-898-00 | FILM | 0.0022MF | 10% | 630V |
| C413 | 1-162-558-11 | CERAMIC | 100PF | 10% | 2KV |
| C414 | 1-107-955-11 | ELECT | 100MF | 20% | 200V |
| C415 | 1-162-558-11 | CERAMIC | 100PF | 10% | 2KV |
| C416 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV |
| C417 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V |
| C418 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C419 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C420 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C421 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C422 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C423 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C424 | 1-137-371-11 | FILM | 0.015MF | 5% | 50V |
| C425 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C426 | 1-137-364-11 | FILM | 0.001MF | 5% | 50V |
| C428 | 1-106-359-00 | MYLAR | 0.0047MF | 10% | 200V |
| C429 | 1-137-364-11 | FILM | 0.001MF | 5% | 50V |
| C430 | 1-107-648-91 | ELECT | 100MF | 20% | 200V |
| C431 | 1-136-105-00 | FILM | 0.33MF | 5% | 200V |
| C432 | 1-113-714-11 | FILM | 2000PF | 3% | 2KV |
| C433 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C435 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C436 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C437 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C438 | 1-102-106-00 | CERAMIC | 100PF | 10% | 50V |
| C440 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V |
| C441 | 1-137-364-11 | FILM | 0.001MF | 5% | 50V |
| C442 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V |
| C443 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C445 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C446 | 1-137-364-11 | FILM | 0.001MF | 5% | 50V |
| C447 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C448 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C449 | 1-164-646-11 | CERAMIC | 2200PF | 10% | 500V |
| C450 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C451 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C453 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C454 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C455 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C456 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C458 | 1-137-374-11 | FILM | 0.047MF | 5% | 50V |
| C459 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C460 | 1-137-366-11 | FILM | 0.0022MF | 5% | 50V |
| C461 | 1-162-114-00 | CERAMIC | 0.0047MF | | 2KV |
| C462 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C463 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C464 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C466 | 1-104-574-11 | CERAMIC | 0.0047MF | 10% | 1KV |
| C467 | 1-126-934-11 | ELECT | 220MF | 20% | 16V |
| C470 | 1-104-652-11 | ELECT | 470MF | 20% | 10V |
| C471 | 1-126-925-11 | ELECT | 470MF | 20% | 10V |
| C472 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C473 | 1-102-116-00 | CERAMIC | 680PF | 10% | 50V |
| C474 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C475 | 1-107-903-11 | ELECT | 2.2MF | 20% | 50V |
| C501 | 1-106-228-00 | MYLAR | 0.22MF | 10% | 100V |
| C502 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C503 | 1-107-894-11 | ELECT | 220MF | 20% | 35V |
| C505 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C506 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C507 | 1-215-489-00 | METAL | 680K | 1% | 1/4W |
| C519 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C520 | 1-128-528-11 | ELECT | 470MF | 20% | 25V |
| C521 | 1-128-528-11 | ELECT | 470MF | 20% | 25V |
| C522 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V |
| C600 | 1-113-707-11 | ELECT | 220MF | 20% | 450V |
| C601 | 1-137-479-11 | FILM | 1MF | 10% | 400V |
| C602 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C603 | 1-107-902-11 | ELECT | 1MF | 20% | 50V |
| C604 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

**D**

| REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C605 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C606 | 1-102-125-00 | CERAMIC | 0.0047MF | 10% | 50V |
| C607 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C608 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C609 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C610 | 1-107-877-11 | ELECT | 1000MF | 20% | 10V |
| C611 | 1-107-877-11 | ELECT | 1000MF | 20% | 10V |
| C612 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C613 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C614 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C615 | 1-164-646-11 | CERAMIC | 2200PF | 10% | 500V |
| C616 ¡ | 1-113-926-91 | CERAMIC | 0.0047MF | | 250V |
| C617 ¡ | 1-113-926-91 | CERAMIC | 0.0047MF | | 250V |
| C618 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C619 | 1-128-526-11 | ELECT | 100MF | 20% | 10V |
| C620 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C621 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C622 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C623 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C624 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C625 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C628 | 1-104-332-11 | CERAMIC | 470PF | 10% | 2KV |
| C630 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C631 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C633 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C634 | 1-165-136-11 | CERAMIC | 3300PF | 10% | 500V |
| C635 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C636 | 1-164-644-11 | CERAMIC | 330PF | 10% | 500V |
| C637 | 1-107-955-11 | ELECT | 100MF | 20% | 200V |
| C638 | 1-107-952-11 | ELECT | 22MF | 20% | 200V |
| C639 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C640 | 1-129-719-00 | FILM | 0.027MF | 5% | 630V |
| C642 | 1-107-933-11 | ELECT | 100MF | 20% | 100V |
| C643 | 1-107-928-11 | ELECT | 4.7MF | 20% | 100V |
| C644 | 1-164-644-11 | CERAMIC | 330PF | 10% | 500V |
| C645 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C646 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C647 | 1-164-644-11 | CERAMIC | 330PF | 10% | 500V |
| C648 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C649 | 1-107-890-11 | ELECT | 2200MF | 20% | 25V |
| C650 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C651 | 1-107-890-11 | ELECT | 2200MF | 20% | 25V |
| C652 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C653 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C654 | 1-162-117-00 | CERAMIC | 100PF | 10% | 500V |
| C670 | 1-102-989-00 | CERAMIC | 68PF | 5% | 500V |
| C671 | 1-111-057-11 | ELECT | 120MF | 20% | 25V |
| C672 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C673 | 1-130-489-00 | FILM | 0.033MF | 5% | 50V |
| C674 | 1-126-925-11 | ELECT | 470MF | 20% | 10V |
| C676 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C677 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C678 | 1-128-526-11 | ELECT | 100MF | 20% | 25V |
| C679 | 1-130-489-00 | FILM | 0.033MF | 5% | 50V |
| C680 | 1-136-538-11 | FILM | 0.001MF | 3% | 2KV |
| C681 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V |
| C682 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V |
| C683 | 1-107-914-11 | ELECT | 1000MF | 20% | 25V |
| C684 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C685 ¡ | 1-113-513-11 | FILM | 1MF | 20% | 275V |
| C687 ¡ | 1-113-900-51 | CERAMIC | 470PF | 10% | 250V |
| C688 ¡ | 1-113-900-51 | CERAMIC | 470PF | 10% | 250V |
| C689 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C690 ¡ | 1-113-513-11 | FILM | 1MF | 20% | 275V |
| C691 | 1-107-797-11 | CERAMIC | 150PF | 5% | 1KV |
| C692 | 1-107-797-11 | CERAMIC | 150PF | 5% | 1KV |
| C693 | 1-107-906-11 | ELECT | 10MF | 20% | 50V |
| C702 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C703 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V |
| C704 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C705 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C706 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C707 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C708 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C709 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C710 | 1-136-193-11 | FILM | 0.47MF | 10% | 250V |
| C711 | 1-136-060-00 | FILM | 0.047MF | 5% | 400V |
| C712 | 1-136-947-11 | FILM | 0.12MF | 5% | 400V |
| C713 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C714 | 1-136-104-00 | FILM | 0.16MF | 5% | 200V |
| C715 | 1-136-122-00 | FILM | 0.47MF | 5% | 400V |
| C716 | 1-115-356-11 | FILM | 1.2MF | 5% | 250V |
| C717 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C718 | 1-109-946-11 | FILM | 0.3MF | 5% | 200V |
| C719 | 1-136-103-00 | FILM | 0.1MF | 5% | 200V |
| C720 | 1-109-945-11 | FILM | 0.18MF | 5% | 200V |
| C721 | 1-107-505-11 | FILM | 0.39MF | 5% | 400V |
| C722 | 1-164-281-11 | CERAMIC | 0.001MF | | 2KV |
| C723 | 1-136-203-11 | FILM | 0.01MF | 5% | 630V |
| C724 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V |
| C725 | 1-113-481-11 | FILM | 1000PF | 5% | 630V |
| C726 | 1-107-651-11 | ELECT | 4.7MF | 20% | 200V |
| C727 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C728 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C729 | 1-136-169-00 | FILM | 0.22MF | 5% | 50V |
| C802 | 1-102-112-00 | CERAMIC | 330PF | 10% | 50V |
| C1501 | 1-137-375-11 | FILM | 0.068MF | 5% | 50V |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN401* | 1-774-513-11 | PIN, CONNECTOR (PC BOARD) | 9P |
| CN402 | 1-764-101-11 | PIN, CONNECTOR (PC BOARD) | 2P |
| CN600 ¡ | 1-691-960-11 | PIN, CONNECTOR (PC BOARD) | 3P |
| CN601 | 1-695-915-11 | TAB (CONTACT) | |
| CN602 | 1-695-915-11 | TAB (CONTACT) | |
| CN606* | 1-564-510-11 | PLUG, CONNECTOR | 7P |
| CN608* | 1-564-508-11 | PLUG, CONNECTOR | 5P |
| CN685* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) | 4P |
| CN701* | 1-564-512-11 | PLUG, CONNECTOR | 9P |
| CN803* | 1-508-879-11 | BASE POST | |
| CN804* | 1-564-509-11 | PLUG, CONNECTOR | 6P |
| CN805* | 1-564-513-11 | PLUG, CONNECTOR | 10P |

# D

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| CN810* | 1-774-591-11 | CONNECTOR, BOARD TO BOARD 20P | |
| CN811* | 1-774-591-11 | CONNECTOR, BOARD TO BOARD 20P | |
| CN812* | 1-774-591-11 | CONNECTOR, BOARD TO BOARD 20P | |
| | | <DIODE> | |
| D401 | 8-719-109-89 | ZENER DIODE RD5.6ESB2 | |
| D402 | 8-719-911-19 | DIODE 1SS119-25 | |
| D403 | 8-719-911-19 | DIODE 1SS119-25 | |
| D404 | 8-719-911-19 | DIODE 1SS119-25 | |
| D405 | 8-719-911-19 | DIODE 1SS119-25 | |
| D406 | 8-719-984-73 | DIODE SB560 | |
| D407 | 8-719-110-46 | ZENER DIODE RD16ESB3 | |
| D408 | 8-719-110-31 | ZENER DIODE RD12ESB2 | |
| D410 | 8-719-061-21 | DIODE FMQ-G5FMS | |
| D411 | 8-719-048-73 | DIODE ERC90M-03 | |
| D412 | 8-719-110-17 | ZENER DIODE RD10ESB2 | |
| D413 | 8-719-911-19 | DIODE 1SS119-25 | |
| D414 | 8-719-018-82 | DIODE RGP02-20EL-6394 | |
| D415 | 8-719-911-19 | DIODE 1SS119-25 | |
| D416 | 8-719-110-17 | ZENER DIODE RD10ESB2 | |
| D417 | 8-719-110-13 | ZENER DIODE RD9.1ESB2 | |
| D418 | 8-719-109-85 | ZENER DIODE RD5.1ESB2 | |
| D419 | 8-719-911-19 | DIODE 1SS119-25 | |
| D420 | 8-719-911-19 | DIODE 1SS119-25 | |
| D421 | 8-719-911-19 | DIODE 1SS119-25 | |
| D422 | 8-719-941-74 | DIODE ERB91-02 | |
| D423 | 8-719-911-19 | DIODE 1SS119-25 | |
| D424 | 8-719-911-19 | DIODE 1SS119-25 | |
| D425 | 8-719-921-40 | ZENER DIODE MTZJ-4.7C | |
| D426 | 8-719-911-19 | DIODE 1SS119-25 | |
| D427 | 8-719-911-19 | DIODE 1SS119-25 | |
| D428 | 8-719-110-46 | ZENER DIODE RD16ESB3 | |
| D429 | 8-719-911-19 | DIODE 1SS119-25 | |
| D430 | 8-719-941-74 | DIODE ERB91-02 | |
| D431 | 8-719-048-73 | DIODE ERC90M-03 | |
| D432 | 8-719-110-46 | ZENER DIODE RD16ESB3 | |
| D433 | 8-719-911-19 | DIODE 1SS119-25 | |
| D434 | 8-719-911-19 | DIODE 1SS119-25 | |
| D438 | 8-719-911-19 | DIODE 1SS119-25 | |
| D439 | 8-719-979-58 | DIODE EGP10D | |
| D440 | 8-719-200-02 | DIODE 10E-2 | |
| D441 | 8-719-911-19 | DIODE 1SS119-25 | |
| D442 | 8-719-109-85 | ZENER DIODE RD5.1ESB2 | |
| D443 | 8-719-109-85 | ZENER DIODE RD5.1ESB2 | |
| D444 | 8-719-109-81 | ZENER DIODE RD4.7ESB2 | |
| D445 | 8-759-157-40 | IC UPC574J | |
| D446 | 8-719-109-81 | ZENER DIODE RD4.7ESB2 | |
| D448 | 8-719-911-19 | DIODE 1SS119-25 | |
| D451 | 8-719-911-19 | DIODE 1SS119-25 | |
| D454 | 8-719-110-17 | ZENER DIODE RD10ESB2 | |
| D455 | 8-719-911-19 | DIODE 1SS119-25 | |
| D456 | 8-719-911-19 | DIODE 1SS119-25 | |
| D457 | 8-719-911-19 | DIODE 1SS119-25 | |
| D501 | 8-719-908-03 | DIODE GP08D | |
| D502 | 8-719-911-19 | DIODE 1SS119-25 | |
| D503 | 8-719-110-17 | ZENER DIODE RD10ESB2 | |
| D504 | 8-719-908-03 | DIODE GP08D | |
| D505 | 8-719-979-85 | DIODE EGP20G | |
| D600 | 8-719-510-53 | DIODE D4SB60L | |
| D601 | 8-719-029-04 | DIODE D5L60 | |
| D602 | 8-719-911-19 | DIODE 1SS119-25 | |
| D603 | 8-719-022-97 | DIODE D2S4MF | |
| D604 | 8-719-022-97 | DIODE D2S4MF | |
| D605 | 8-719-109-93 | ZENER DIODE RD6.2ESB2 | |
| D606 | 8-719-110-49 | ZENER DIODE RD18ESB2 | |
| D631 | 8-719-110-49 | ZENER DIODE RD18ESB2 | |
| D632 | 8-719-911-19 | DIODE 1SS119-25 | |
| D634 | 8-719-052-86 | DIODE D2L40-TA | |
| D635 | 8-719-911-19 | DIODE 1SS119-25 | |
| D636 | 8-719-052-86 | DIODE D2L40-TA | |
| D637 | 8-719-911-19 | DIODE 1SS119-25 | |
| D638 | 8-719-110-63 | ZENER DIODE RD24ESB3 | |
| D639 | 8-719-052-86 | DIODE D2L40-TA | |
| D640 | 8-719-052-86 | DIODE D2L40-TA | |
| D642 | 8-719-510-64 | DIODE S2LA20F | |
| D648 | 8-719-911-19 | DIODE 1SS119-25 | |
| D650 | 8-719-911-19 | DIODE 1SS119-25 | |
| D651 | 8-719-052-91 | DIODE D4SBS4-F | |
| D653 | 8-719-911-19 | DIODE 1SS119-25 | |
| D654 | 8-719-911-19 | DIODE 1SS119-25 | |
| D655 | 8-719-911-19 | DIODE 1SS119-25 | |
| D670 | 8-719-110-49 | ZENER DIODE RD18ESB2 | |
| D671 | 8-719-510-64 | DIODE S2LA20F | |
| D672 | 8-719-110-49 | ZENER DIODE RD18ESB2 | |
| D673 | 8-719-510-02 | DIODE D1NS4 | |
| D674 | 8-719-510-64 | DIODE S2LA20F | |
| D675 | 8-719-022-97 | DIODE D2S4MF | |
| D679 | 8-719-911-19 | DIODE 1SS119-25 | |
| D680 | 8-719-109-66 | ZENER DIODE RD3.3ESB2 | |
| D681 | 8-719-911-19 | DIODE 1SS119-25 | |
| D682 | 8-719-109-66 | ZENER DIODE RD3.3ESB2 | |
| D683 | 8-719-911-19 | DIODE 1SS119-25 | |
| D684 | 8-719-911-19 | DIODE 1SS119-25 | |
| D685 | 8-719-911-19 | DIODE 1SS119-25 | |
| D686 | 8-719-911-19 | DIODE 1SS119-25 | |
| D689 | 8-719-911-19 | DIODE 1SS119-25 | |
| D690 | 8-719-109-81 | ZENER DIODE RD4.7ESB2 | |
| D691 | 8-719-109-89 | ZENER DIODE RD5.6ESB2 | |
| D706 | 8-719-948-45 | DIODE ERA22-08 | |
| D707 | 8-719-948-45 | DIODE ERA22-08 | |
| D708 | 8-719-110-31 | ZENER DIODE RD12ESB2 | |
| D709 | 8-719-110-31 | ZENER DIODE RD12ESB2 | |
| D806 | 8-719-311-90 | DIODE SEL1922D-C | |
| D807 | 8-719-045-19 | DIODE SPB-26MVWF | |
| | | <DISCHARGE GAP> | |
| DS401 | 1-519-421-11 | GAP, DISCHARGE | |

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**D**

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <FUSE> | |
| F685 ¡ | 1-576-233-41 | FUSE (H.B.C.) (6.3A/250V) | |
| | 1-533-223-11 | HOLDER, FUSE ; F685 | |
| | | <FERRITE BEAD> | |
| FB401 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB403 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB405 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB601 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB602 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB603 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB631 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB632 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB633 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| | | <IC> | |
| IC401 | 8-759-982-76 | IC BA10339 | |
| IC402 | 8-759-803-42 | IC LA6500-FA | |
| | 4-051-602-01 | SHEET, RADIATION ; IC402 | |
| IC403 | 8-759-938-12 | IC BA10324 | |
| IC504 | 8-759-980-58 | IC TDA8172 | |
| IC601 | 8-759-904-94 | IC TL494CN | |
| IC602 | 8-759-140-85 | IC UPC1093J | |
| IC603 | 8-749-011-42 | IC SI-3050F | |
| IC606 | 8-759-231-53 | IC TA7805S | |
| IC607 | 8-759-701-84 | IC NJM7905FA | |
| IC608 | 8-759-231-58 | IC TA7812S | |
| IC609 | 8-759-231-53 | IC TA7805S | |
| IC630 | 8-749-012-05 | IC DM-57 | |
| IC701 | 8-759-822-38 | IC LA6510 | |
| IC702 | 8-749-011-63 | IC IRSY5305 | |
| | | <COIL> | |
| L401 | 1-412-529-11 | INDUCTOR 22UH | |
| L402 | 1-411-567-11 | COIL, CHOKE 500UH | |
| L403 | 1-406-675-11 | COIL, CHOKE 4.7MMH | |
| L405 | 1-411-585-11 | COIL, HORIZONTAL LINEARITY | |
| L406 | 1-411-583-11 | COIL, HORIZONTAL LINEARITY | |
| L407 | 1-412-545-11 | INDUCTOR 470UH | |
| L408 | 1-412-545-11 | INDUCTOR 470UH | |
| L409 | 1-411-594-11 | COIL, CHOKE 5MMH | |
| L410 | 1-408-397-00 | INDUCTOR 1UH | |
| L630 | 1-403-588-11 | CIL, CHOKE 22UH | |
| L631 | 1-408-409-00 | INDUCTOR 10UH | |
| L632 | 1-403-588-11 | CIL, CHOKE 22UH | |
| L633 | 1-403-588-11 | CIL, CHOKE 22UH | |
| L701 | 1-412-521-21 | INDUCTOR 4.7UH | |
| L702 | 1-414-493-41 | INDUCTOR 4.7MMH | |
| L703 | 1-414-493-41 | INDUCTOR 4.7MMH | |
| | | <PHOTO COUPLER> | |
| PH670 | 8-749-010-64 | PHOTO COUPLER PC123F2 | |
| PH675 | 8-719-156-73 | PHOTO COUPLER PS2501-1-L | |
| | | <IC LINK> | |
| PS401 ¡ | 1-533-592-31 | LINK, IC | 1.6A/90V AC, 60V DC |
| PS402 ¡ | 1-533-590-31 | LINK, IC | 1A/90V AC, 60V DC |
| PS670 ¡ | 1-532-605-91 | LINK, IC | 0.4A/150V |
| PS671 ¡ | 1-532-984-91 | LINK, IC | 2A/90V AC, 60V DC |
| PS672 ¡ | 1-532-984-91 | LINK, IC | 2A/90V AC, 60V DC |
| PS673 ¡ | 1-532-984-91 | LINK, IC | 2A/90V AC, 60V DC |
| | | <TRANSISTOR> | |
| Q401 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q402 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q403 | 8-729-820-73 | TRANSISTOR 2SC3746 | |
| Q404 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q405 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q406 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q407 | 8-729-033-99 | TRANSISTOR 2SC5301-CC | |
| Q408 | 8-729-015-28 | TRANSISTOR IRFI9630GS | |
| Q409 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q410 | 8-729-029-86 | TRANSISTOR DTC124ESA | |
| Q411 | 8-729-140-50 | TRANSISTOR 2SC3209LK | |
| Q413 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q414 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q415 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q416 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q417 | 8-729-015-28 | TRANSISTOR IRFI9630GS | |
| Q418 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q419 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q420 | 8-729-033-91 | TRANSISTOR 2SK1120LBSONY2 | |
| | 4-051-627-01 | SHEET, INSULATING ; Q420 | |
| Q423 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q424 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q425 | 8-729-029-86 | TRANSISTOR DTC124ESA | |
| Q426 | 8-729-029-40 | TRANSISTOR DTA124ESA | |
| Q600 | 8-729-034-74 | TRANSISTOR FS16SM-10-A8 | |
| | 4-051-742-01 | SHEET, INSULATE ; Q600 | |
| Q601 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q602 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q603 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q604 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q605 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q606 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q608 | 8-729-036-01 | TRANSISTOR 2SA1371DE-AE | |
| Q609 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q610 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q640 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q641 | 8-729-230-45 | TRANSISTOR 2SC2458-YGR | |
| Q642 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| Q643 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q644 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q645 | 8-729-016-15 | TRANSISTOR 2SC4833MNP | |
| Q647 | 8-729-016-15 | TRANSISTOR 2SC4833MNP | |
| Q648 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |

# D

Les composants identifiés per un tramé et une marque △1 sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

The components identified by shading and mark △1 are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| Q649 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q671 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q672 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q674 | 8-729-032-36 | TRANSISTOR 2SC4052MNPR | | | | |
| Q675 | 8-729-032-36 | TRANSISTOR 2SC4052MNPR | | | | |
| Q686 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q690 | 8-729-029-86 | TRANSISTOR DTC124ESA | | | | |
| Q702 | 8-729-032-61 | TRANSISTOR 2SC5022-02 | | | | |
| Q703 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | |
| Q704 | 8-729-808-36 | TRANSISTOR 2SK669 | | | | |
| Q805 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q806 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q807 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | <RESISTOR> | | | | |
| R400 | 1-216-380-11 | METAL OXIDE | 8.2 | 5% | 2W | F |
| R401 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R402 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R403 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R404 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R405 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R406 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R407 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R408 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R409 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R410 | 1-260-296-11 | CARBON | 2.2 | 5% | 1/2W | |
| R411 | 1-215-861-00 | METAL OXIDE | 47 | 5% | 1W | F |
| R412 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R413 | 1-216-380-11 | METAL OXIDE | 8.2 | 5% | 2W | F |
| R414 | 1-215-437-00 | METAL | 4.7K | 1% | 1/4W | |
| R415 | 1-216-447-00 | METAL OXIDE | 27 | 5% | 2W | F |
| R416 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R417 | 1-215-437-00 | METAL | 4.7K | 1% | 1/4W | |
| R418 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R419 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R420 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R421 | 1-216-380-11 | METAL OXIDE | 8.2 | 5% | 2W | F |
| R422 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | |
| R423 | 1-215-469-00 | METAL | 100K | 1% | 1/4W | |
| R424 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R425 | 1-202-719-00 | SOLID | 1M | 20% | 1/2W | |
| R426 | 1-202-826-00 | SOLID | 4.7K | 20% | 1/2W | |
| R427 | 1-215-455-00 | METAL | 27K | 1% | 1/4W | |
| R428 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R429 | 1-215-861-00 | METAL OXIDE | 47 | 5% | 1W | F |
| R430 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | |
| R431 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R432 | 1-215-891-11 | METAL OXIDE | 680 | 5% | 2W | F |
| R433 | 1-216-380-11 | METAL OXIDE | 8.2 | 5% | 2W | F |
| R434 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R435 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R436 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R437 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R438 | 1-214-846-11 | METAL | 180 | 1% | 1/2W | |
| R439 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R440 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R441 | 1-214-846-11 | METAL | 180 | 1% | 1/2W | |
| R442 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R443 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R444 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R445 | 1-214-846-11 | METAL | 180 | 1% | 1/2W | |
| R446 | 1-215-449-00 | METAL | 15K | 1% | 1/4W | |
| R447 | 1-215-459-00 | METAL | 39K | 1% | 1/4W | |
| R448 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R449 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R450 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W | F |
| R451 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R452 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W | F |
| R453 | 1-260-085-11 | CARBON | 68 | 5% | 1/2W | |
| R454 | 1-215-449-00 | METAL | 15K | 1% | 1/4W | |
| R455 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R456 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R457 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R458 | 1-216-449-11 | METAL OXIDE | 56 | 5% | 2W | F |
| R460 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R461 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| R462 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | |
| R463 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | F |
| R464 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R466 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R467 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R468 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R469 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | F |
| R470 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | |
| R471 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R472 | 1-215-455-00 | METAL | 27K | 1% | 1/4W | |
| R473 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R476 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R477 | 1-215-913-11 | METAL OXIDE | 220 | 5% | 3W | F |
| R478 | 1-215-913-11 | METAL OXIDE | 220 | 5% | 3W | F |
| R479 | 1-215-913-11 | METAL OXIDE | 220 | 5% | 3W | F |
| R480 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R481 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R483 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R484 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R485 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R486 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R487 | 1-215-455-00 | METAL | 27K | 1% | 1/4W | |
| R488 | 1-215-429-00 | METAL | 2.2K | 1% | 1/4W | |
| R489 | 1-215-457-00 | METAL | 33K | 1% | 1/4W | |
| R490 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | F |
| R492 | 1-215-461-00 | METAL | 47K | 1% | 1/4W | |
| R493 ¡ | 1-215-474-91 | METAL | 160K | 1% | 1/4W | |
| R494 | 1-215-459-00 | METAL | 39K | 1% | 1/4W | |
| R495 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R496 | 1-202-826-00 | SOLID | 4.7K | 20% | 1/2W | |
| R497 | 1-215-459-00 | METAL | 39K | 1% | 1/4W | |
| R498 | 1-202-826-00 | SOLID | 4.7K | 20% | 1/2W | |
| R499 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| R501 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W | |
| R502 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |

# D

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R503 | 1-215-441-00 | METAL | 6.8K | 1% | 1/4W | |
| R504 | 1-215-439-00 | METAL | 5.6K | 1% | 1/4W | |
| R505 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R506 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | |
| R508 | 1-215-875-11 | METAL OXIDE | 10K | 5% | 1W | F |
| R509 | 1-215-473-00 | METAL | 150K | 1% | 1/4W | |
| R510 | 1-215-463-00 | METAL | 56K | 1% | 1/4W | |
| R511 | 1-214-798-21 | METAL | 1.8 | 1% | 1/2W | |
| R512 | 1-215-866-11 | METAL OXIDE | 330 | 5% | 1W | F |
| R513 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/4W | F |
| R514 | 1-215-409-00 | METAL | 330 | 1% | 1/4W | |
| R515 | 1-215-423-00 | METAL | 1.2K | 1% | 1/4W | |
| R516 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R517 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R518 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R521 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W | F |
| R522 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W | F |
| R524 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W | |
| R525 | 1-215-459-00 | METAL | 39K | 1% | 1/4W | |
| R526 | 1-214-798-21 | METAL | 1.8 | 1% | 1/2W | |
| R530 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R531 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R532 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W | |
| R533 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | |
| R534 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R535 | 1-215-431-00 | METAL | 2.7K | 1% | 1/4W | |
| R536 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | |
| R537 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R600 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R601 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R602 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R603 | 1-215-428-00 | METAL | 2K | 1% | 1/4W | |
| R604 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R605 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R606 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R607 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | |
| R608 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | |
| R609 | 1-215-485-00 | METAL | 470K | 1% | 1/4W | |
| R610 | 1-215-483-00 | METAL | 390K | 1% | 1/4W | |
| R611 | 1-215-457-00 | METAL | 33K | 1% | 1/4W | |
| R612 | 1-215-483-00 | METAL | 390K | 1% | 1/4W | |
| R613 | 1-215-483-00 | METAL | 390K | 1% | 1/4W | |
| R614 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R615 | 1-215-437-00 | METAL | 4.7K | 1% | 1/4W | |
| R617 | 1-260-288-11 | CARBON | 0.47 | 5% | 1/2W | |
| R619 | 1-212-942-00 | FUSIBLE | 2.2 | 5% | 1/2W | F |
| R620 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R621 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R622 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R623 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R624 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R625 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R626 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R627 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R628 | 1-216-397-11 | METAL OXIDE | 4.7 | 5% | 3W | F |
| R629 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R630 | 1-215-485-00 | METAL | 470K | 1% | 1/4W | |
| R631 | 1-215-485-00 | METAL | 470K | 1% | 1/4W | |
| R632 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R633 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | |
| R634 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R635 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R636 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R637 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R638 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R639 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |
| R640 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R641 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R642 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R643 | 1-218-642-11 | METAL OXIDE | 100K | 5% | 1W | F |
| R644 | 1-218-642-11 | METAL OXIDE | 100K | 5% | 1W | F |
| R645 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | F |
| R646 | 1-202-842-11 | SOLID | 220K | 20% | 1/2W | |
| R647 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R648 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R649 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R650 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| R651 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | F |
| R652 | 1-215-481-00 | METAL | 330K | 1% | 1/4W | |
| R653 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W | |
| R654 | 1-215-461-00 | METAL | 47K | 1% | 1/4W | |
| R655 | 1-216-345-11 | METAL OXIDE | 0.47 | 5% | 1W | F |
| R656 | 1-260-127-11 | CARBON | 220K | 5% | 1/2W | |
| R657 | 1-260-292-11 | CARBON | 1 | 5% | 1/2W | |
| R658 | 1-260-127-11 | CARBON | 220K | 5% | 1/2W | |
| R659 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | |
| R660 | 1-260-288-11 | CARBON | 0.47 | 5% | 1/2W | |
| R663 | 1-215-469-00 | METAL | 100K | 1% | 1/4W | |
| R664 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W | |
| R665 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R668 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R669 | 1-249-391-11 | CARBON | 6.8 | 5% | 1/4W | |
| R670 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | F |
| R671 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R672 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R673 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R674 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R675 | 1-215-451-00 | METAL | 18K | 1% | 1/4W | |
| R676 | 1-215-403-00 | METAL | 180 | 1% | 1/4W | |
| R677 | 1-217-418-61 | FUSIBLE | 0.47 | 10% | 1/2W | F |
| R678 | 1-215-419-00 | METAL | 820 | 1% | 1/4W | |
| R679 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W | |
| R680 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R681 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R682 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R683 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R685 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R686 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R687 | 1-249-391-11 | CARBON | 6.8 | 5% | 1/4W | |
| R688 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | |
| R690 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R691 | 1-260-083-11 | CARBON | 47 | 5% | 1/2W | |

D

The components identified by ⋈ in th manual have been carefully factory-selected for eachset in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés per un tramé et une marque △1 sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

The components identified by shading and mark △1 are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R692 | 1-218-191-11 | METAL OXIDE | 0.1 | 5% | 1W | F |
| R693 | 1-218-191-11 | METAL OXIDE | 0.1 | 5% | 1W | F |
| R694 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R695 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | |
| R696 ¡ | 1-202-914-91 | SOLID | 390K | 20% | 1/2W | |
| R701 | 1-249-381-11 | CARBON | 1 | 5% | 1/4W | F |
| R702 | 1-215-863-11 | METAL OXIDE | 100 | 5% | 1W | F |
| R703 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | |
| R704 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R705 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | |
| R707 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| R708 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R709 | 1-216-341-11 | METAL OXIDE | 0.22 | 5% | 1W | F |
| R710 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R711 | 1-215-465-00 | METAL | 68K | 1% | 1/4W | |
| R712 | 1-215-463-00 | METAL | 56K | 1% | 1/4W | |
| R713 | 1-215-863-11 | METAL OXIDE | 100 | 5% | 1W | F |
| R714 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R715 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | |
| R716 | 1-215-455-00 | METAL | 27K | 1% | 1/4W | |
| R717 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R718 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W | |
| R719 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | |
| R720 | 1-249-381-11 | CARBON | 1 | 5% | 1/4W | F |
| R721 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R722 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R723 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R724 | 1-215-864-00 | METAL OXIDE | 150 | 5% | 1W | F |
| R725 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R726 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R727 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W | |
| R728 | 1-215-481-00 | METAL | 330K | 1% | 1/4W | |
| R729 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R731 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| R734 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W | F |
| R735 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R736 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R737 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R738 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R740 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R741 | 1-215-413-00 | METAL | 470 | 1% | 1/4W | |
| R742 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R802 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| R804 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R805 | 1-215-413-00 | METAL | 470 | 1% | 1/4W | |
| R807 | 1-215-409-00 | METAL | 330 | 1% | 1/4W | |
| R808 | 1-215-413-00 | METAL | 470 | 1% | 1/4W | |
| R809 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W | |
| R810 | 1-215-413-00 | METAL | 470 | 1% | 1/4W | |
| R812 | 1-215-417-00 | METAL | 680 | 1% | 1/4W | |
| R814 | 1-215-421-00 | METAL | 1K | 1% | 1/4W | |
| R816 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | |
| R817 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R818 | 1-215-425-00 | METAL | 1.5K | 1% | 1/4W | |
| R819 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W | |
| R820 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| R821 | 1-215-433-00 | METAL | 3.3K | 1% | 1/4W | |
| R822 | 1-215-469-00 | METAL | 100K | 1% | 1/4W | |
| R1415 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | |
| R1416 | 1-219-720-11 | METAL | 10M | 5% | 1W | |
| R1417 | 1-215-409-00 | METAL | 330 | 1% | 1/4W | |
| R1600 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W | |
| R1601 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | |
| R1602 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1603 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1604 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | |
| R1605 | 1-260-085-11 | CARBON | 68 | 5% | 1/2W | |
| R1609 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1610 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | |
| R1611 ¡ | 1-205-998-11 | WIREWOUND | 1 | 5% | 10W | |
| | | <VARIABLE RESISTOR> | | | | |
| ] RV401 ¡ | 1-241-766-21 | RES, ADJ, CERMET | | | 47K (HV ADJ) | |
| RV601 | 1-241-761-11 | RES, ADJ, CERMET | | | 1K (–B) | |
| | | <RELAY> | | | | |
| RY401 | 1-755-137-11 | RELAY | | | | |
| RY685 ¡ | 1-515-849-11 | RELAY | | | | |
| RY686 ¡ | 1-755-128-11 | RELAY | | | | |
| | | <SWITCH> | | | | |
| S802 | 1-571-532-21 | SWITCH, TACTIL (CONT+) | | | | |
| S803 | 1-571-532-21 | SWITCH, TACTIL (CONT–) | | | | |
| S804 | 1-571-532-21 | SWITCH, TACTIL (BRT+) | | | | |
| S805 | 1-571-532-21 | SWITCH, TACTIL (BRT–) | | | | |
| S806 | 1-571-532-21 | SWITCH, TACTIL (CENT) | | | | |
| S807 | 1-571-532-21 | SWITCH, TACTIL (SIZE) | | | | |
| S808 | 1-571-532-21 | SWITCH, TACTIL (GEON) | | | | |
| S809 | 1-571-532-21 | SWITCH, TACTIL (CONV) | | | | |
| S810 | 1-571-532-21 | SWITCH, TACTIL (OPTION) | | | | |
| S811 | 1-571-532-21 | SWITCH, TACTIL (RESET) | | | | |
| | | <SPARK GAP> | | | | |
| SG701 | 1-519-422-11 | GAP, SPARK | | | | |
| | | <SWITCH> | | | | |
| SW600 | 1-571-433-21 | SWITCH, PUSH (AC POWER) | | | | |
| | | <TRANSFORMER> | | | | |
| T401 | 1-429-303-11 | TRANSFORMER, FERRITE (HDT) | | | | |
| T403 | 1-426-998-11 | TRANSFORMER, FERRITE (HST) | | | | |
| T404 ¡ | X-4033-463-1 | TRANSFORMER ASSY, FLY BACK (NX-4110//J1E4) | | | | |
| T410 | 1-429-301-11 | TRANSFORMER, FERRITE (HCT) | | | | |
| T601 | 1-429-326-11 | TRANSFORMER, CONVERTER (PIT) | | | | |
| T602 | 1-411-593-11 | COIL, CHOKE | 85UF | | | |

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés per un tramé et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

**D N**

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| T603 | 1-429-212-11 | TRANSFORMER, CONVERTER (PIT) | |
| T604 | 1-427-864-11 | TRANSFORMER, CONVERTER (PRT) | |
| * | 4-051-892-01 | CASE, SHIELD (D1) ; T604 | |
| T605 | 1-427-864-11 | TRANSFORMER, CONVERTER (PRT) | |
| T686 ¡ | 1-429-180-11 | TRANSFORMER, LINE FILTER | |
| T701 | 1-429-373-11 | TRANSFORMER, FERRITE (DFT) | |
| | | <THERMISTOR> | |
| TH601 ¡ | 1-809-260-11 | THERMISTOR, POWER | |
| TH701 | 1-807-796-11 | THERMISTOR | |
| THP685 ¡ | 1-809-827-21 | THERMISTOR, POSITIVE | |
| | | <VARISTOR> | |
| VDR685 ¡ | 1-801-268-31 | VARISTOR TNR14V471K660 | |
| VDR686 ¡ | 1-810-622-11 | VARISTOR | |
| VDR687 | 1-810-974-21 | VARISTOR TNR10V431K660 | |

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| | | | |
|---|---|---|---|
| * | 8-933-155-00 | N BOARD, COMPLETE | |
| | | ********** | |
| | | <CAPACITOR> | |
| C901 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C902 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C903 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C904 | 1-164-182-11 | CERAMIC CHIP 0.0033MF 10% | 50V |
| C905 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C906 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C907 | 1-126-301-11 | ELECT 1MF 20% | 50V |
| C908 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C909 | 1-163-017-00 | CERAMIC CHIP 0.0047MF 10% | 50V |
| C910 | 1-124-635-00 | ELECT 220MF 20% | 6.3V |
| C911 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C912 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C913 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C915 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C916 | 1-163-009-11 | CERAMIC CHIP 0.001MF 10% | 50V |
| C917 | 1-163-009-11 | CERAMIC CHIP 0.001MF 10% | 50V |
| C922 | 1-136-621-11 | FILM 0.1MF 5% | 50V |
| C923 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C925 | 1-104-957-11 | ELECT 47MF 20% | 16V |
| C930 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C932 | 1-137-372-11 | FILM 0.022MF 5% | 50V |
| C933 | 1-163-251-11 | CERAMIC CHIP 100PF 5% | 50V |
| C934 | 1-137-375-11 | FILM 0.068MF 5% | 50V |
| C935 | 1-124-635-00 | ELECT 220MF 20% | 6.3V |
| C936 | 1-104-396-11 | ELECT 10MF 20% | 16V |
| C937 | 1-164-161-11 | CERAMIC CHIP 0.0022MF 10% | 50V |
| C953 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C958 | 1-126-022-11 | ELECT 47MF 20% | 25V |
| C959 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C963 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C964 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C965 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C966 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C967 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C968 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C969 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C970 | 1-164-182-11 | CERAMIC CHIP 0.0033MF 10% | 50V |
| C971 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C972 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C973 | 1-126-789-11 | ELECT 33MF 20% | 25V |
| C974 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C976 | 1-163-251-11 | CERAMIC CHIP 100PF 5% | 50V |
| C977 | 1-163-275-11 | CERAMIC CHIP 0.001MF 5% | 50V |
| C978 | 1-124-257-00 | ELECT 2.2MF 20% | 50V |
| C979 | 1-163-017-00 | CERAMIC CHIP 0.0047MF 10% | 50V |
| C980 | 1-163-113-00 | CERAMIC CHIP 68PF 5% | 50V |
| C981 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V |
| C982 | 1-137-370-11 | FILM 0.01MF 5% | 50V |
| C984 | 1-124-455-00 | ELECT 100MF 20% | 16V |
| C985 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C986 | 1-136-621-11 | FILM 0.1MF 5% | 50V |
| C987 | 1-164-232-11 | CERAMIC CHIP 0.01MF 10% | 50V |
| C988 | 1-126-022-11 | ELECT 47MF 20% | 25V |
| C990 | 1-163-989-11 | CERAMIC CHIP 0.033MF 10% | 25V |
| C991 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C992 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C993 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C994 | 1-124-635-00 | ELECT 220MF 20% | 6.3V |
| C995 | 1-164-004-11 | CERAMIC CHIP 0.1MF 10% | 25V |
| C996 | 1-163-009-11 | CERAMIC CHIP 0.001MF 10% | 50V |
| C997 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C998 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C999 | 1-163-235-11 | CERAMIC CHIP 22PF 5% | 50V |
| C1000 | 1-163-017-00 | CERAMIC CHIP 0.0047MF 10% | 50V |
| C1001 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| C1019 | 1-163-038-91 | CERAMIC CHIP 0.1MF | 25V |
| | | <CONNECTOR> | |
| CN910* | 1-774-590-11 | CONNECTOR, BOARD TO BOARD | 20P |
| CN911* | 1-774-590-11 | CONNECTOR, BOARD TO BOARD | 20P |
| CN912* | 1-774-590-11 | CONNECTOR, BOARD TO BOARD | 20P |
| | | <DIODE> | |
| D901 | 8-719-404-49 | DIODE MA111 | |
| D902 | 8-719-404-49 | DIODE MA111 | |
| D903 | 8-719-404-49 | DIODE MA111 | |
| D904 | 8-719-404-49 | DIODE MA111 | |
| D905 | 8-719-404-49 | DIODE MA111 | |
| D906 | 8-719-404-49 | DIODE MA111 | |
| D907 | 8-719-404-49 | DIODE MA111 | |
| D908 | 8-719-404-49 | DIODE MA111 | |
| D909 | 8-719-404-49 | DIODE MA111 | |
| D917 | 8-719-404-49 | DIODE MA111 | |

# N

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| D920 | 8-719-976-96 | ZENER DIODE DTZ4.7C | |
| | | <FERRITE BEAD> | |
| FB013 | 1-414-386-11 | INDUCTOR, FERRITE BEAD | |
| FB901 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | |
| | | <IC> | |
| IC901 | 8-759-182-62 | IC CXD8478Q | |
| IC902 | 8-759-156-55 | IC CD74HC4046AM | |
| IC903 | 8-759-162-80 | IC MM1170BFB | |
| IC904 | 8-759-445-19 | IC HD6433337WA14H | |
| IC905 | 8-759-981-48 | IC TL082M | |
| IC906 | 8-759-100-96 | IC UPC4558G2 | |
| IC907 | 8-759-353-44 | IC ST24C08FM6TR | |
| IC908 | 8-759-008-67 | IC MC14066BF | |
| IC909 | 8-759-981-48 | IC TL082M | |
| IC911 | 8-759-925-90 | IC SN74HC74ANS | |
| IC912 | 8-759-925-72 | IC SN74HC02ANS | |
| IC913 | 8-759-191-50 | IC TDA9102C | |
| | | <COIL> | |
| L905 | 1-410-645-31 | INDUCTOR 100UH | |
| | | <TRANSISTOR> | |
| Q901 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q902 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q903 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q904 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q905 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q907 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| Q908 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | |
| Q909 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | |
| Q910 | 8-729-232-13 | TRANSISTOR 2SK1078 | |
| Q911 | 8-729-027-52 | TRANSISTOR DTC124EKA-T146 | |
| Q912 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| | | <RESISTOR> | |
| R900 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R901 | 1-218-764-11 | METAL CHIP 330K 0.50% 1/10W | |
| R902 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R903 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R904 | 1-216-669-11 | METAL CHIP 5.6K 0.50% 1/10W | |
| R905 | 1-216-025-91 | METAL GLAZE 100 5% 1/10W | |
| R906 | 1-216-682-11 | METAL CHIP 20K 0.50% 1/10W | |
| R907 | 1-218-760-11 | METAL CHIP 220K 0.50% 1/10W | |
| R908 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R909 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R910 | 1-216-693-11 | METAL CHIP 56K 0.50% 1/10W | |
| R911 | 1-216-627-11 | METAL CHIP 100 0.50% 1/10W | |
| R912 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R913 | 1-216-639-11 | METAL CHIP 330 0.50% 1/10W | |
| R914 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R915 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W | |
| R916 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W | |
| R917 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W | |
| R918 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R919 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R920 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R921 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R922 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R923 | 1-216-089-91 | METAL GLAZE 47K 5% 1/10W | |
| R924 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W | |
| R925 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R926 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R927 | 1-249-393-11 | CARBON 10 5% 1/4W F | |
| R928 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R929 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R930 | 1-216-640-11 | METAL CHIP 360 0.50% 1/10W | |
| R931 | 1-216-682-11 | METAL CHIP 20K 0.50% 1/10W | |
| R932 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R933 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R934 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R935 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W | |
| R936 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R937 | 1-216-655-11 | METAL CHIP 1.5K 0.50% 1/10W | |
| R938 | 1-216-672-11 | METAL CHIP 7.5K 0.50% 1/10W | |
| R939 | 1-216-693-11 | METAL CHIP 56K 0.50% 1/10W | |
| R940 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R941 | 1-216-671-11 | METAL CHIP 6.8K 0.50% 1/10W | |
| R942 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W | |
| R943 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R944 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R945 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R946 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R947 | 1-216-695-11 | METAL CHIP 68K 0.50% 1/10W | |
| R948 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R949 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R950 | 1-216-694-11 | METAL CHIP 62K 0.50% 1/10W | |
| R951 | 1-216-653-11 | METAL CHIP 1.2K 0.50% 1/10W | |
| R952 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R953 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R954 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R955 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R956 | 1-216-697-91 | METAL CHIP 82K 0.50% 1/10W | |
| R957 | 1-216-117-00 | METAL GLAZE 680K 5% 1/10W | |
| R958 | 1-216-105-91 | METAL GLAZE 220K 5% 1/10W | |
| R960 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W | |
| R961 | 1-216-075-00 | METAL GLAZE 12K 5% 1/10W | |
| R962 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R964 | 1-216-640-11 | METAL CHIP 360 0.50% 1/10W | |
| R965 | 1-216-075-00 | METAL GLAZE 12K 5% 1/10W | |
| R966 | 1-216-117-00 | METAL GLAZE 680K 5% 1/10W | |
| R971 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R973 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R974 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R975 | 1-216-673-11 | METAL CHIP 8.2K 0.50% 1/10W | |
| R976 | 1-216-669-11 | METAL CHIP 5.6K 0.50% 1/10W | |

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**N**

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| R977 | 1-216-663-11 | METAL CHIP 3.3K 0.50% 1/10W | |
| R978 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R979 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W | |
| R981 | 1-216-121-91 | METAL GLAZE 1M 5% 1/10W | |
| R982 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R983 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R985 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R986 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R987 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R988 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R989 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R990 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R991 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R992 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R993 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R994 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R995 | 1-216-667-11 | METAL CHIP 4.7K 0.50% 1/10W | |
| R996 | 1-216-651-11 | METAL CHIP 1K 0.50% 1/10W | |
| R997 | 1-218-758-11 | METAL CHIP 180K 0.50% 1/10W | |
| R998 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R999 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1000 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R1001 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R1002 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1003 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1004 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R1005 | 1-216-659-11 | METAL CHIP 2.2K 0.50% 1/10W | |
| R1006 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1007 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1008 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1009 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1010 | 1-216-651-11 | METAL CHIP 1K 0.50% 1/10W | |
| R1011 | 1-216-675-11 | METAL CHIP 10K 0.50% 1/10W | |
| R1012 | 1-216-679-11 | METAL CHIP 15K 0.50% 1/10W | |
| R1013 | 1-216-689-11 | METAL CHIP 39K 0.50% 1/10W | |
| R1014 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1015 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1016 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1017 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1018 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R1020 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1021 | 1-216-683-11 | METAL CHIP 22K 0.50% 1/10W | |
| R1022 | 1-216-679-11 | METAL CHIP 15K 0.50% 1/10W | |
| R1023 | 1-216-677-11 | METAL CHIP 12K 0.50% 1/10W | |
| R1024 | 1-216-661-11 | METAL CHIP 2.7K 0.50% 1/10W | |
| R1025 | 1-216-685-11 | METAL CHIP 27K 0.50% 1/10W | |
| R1026 | 1-216-683-11 | METAL CHIP 22K 0.50% 1/10W | |
| R1027 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1028 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1029 | 1-216-653-11 | METAL CHIP 1.2K 0.50% 1/10W | |
| R1030 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R1031 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1032 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1033 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1034 | 1-216-631-11 | METAL CHIP 150 0.50% 1/10W | |
| R1035 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1036 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1037 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R1038 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |

<CRYSTAL>

| | | | |
|---|---|---|---|
| X901 | 1-577-076-11 | VIBRATOR, CRYSTAL | |

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MISCELLANEOUS
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| | | | |
|---|---|---|---|
| ¡ | 1-251-382-12 | INLET, AC 3P(WITH NOISE FILTE) | |
| ¡ | 1-411-634-11 | COIL, DEMAGNETIC | |
| ¡ | 1-558-481-12 | CORD, POWER (10A/125V) [SH] | |
| ¡ | 1-765-581-11 | CORD SET, POWER (10A/250V) | [AEP for UK-made set] |
| ¡ | 1-765-717-11 | CORD SET, POWER (10A/250V) | [AEP for Japan-made set] |
| ¡ | 1-765-718-11 | CORD SET, POWER SUPPLY (10A/125V) | [U/C] |
| ¡ | 1-775-706-11 | CORD SET, POWER (10A/250V) | [U/K] |
| | 1-694-062-11 | TERMINAL BOARD ASSY, I/O | |
| | 1-573-983-31 | ADAPTOR (for Macintosh) | [for USA-made set, SH] |
| | 1-774-626-11 | ADAPTOR (for Macintosh) | [except for USA-made set, except SH] |
| | 1-774-648-21 | ADAPTOR (for VGA) [except U/C] | |
| | 1-777-743-11 | CABLE ASSY(15PDSUBX2CONNECTOR) | |
| ¡ | 8-451-478-11 | DEFLECTION YOKE (Y17SAH5-M) | |
| ¡ | 8-453-006-31 | NECK ASSY, PICTURE TUBE | (NA3013-M3) |
| V901 ¡ | 8-738-617-05 | PICTURE TUBE (17SAFK (S)) [SH] | |
| V901 ¡ | 8-738-605-05 | PICTURE TUBE (17SAFK) | [for USA-made set, for UK-made set] |
| V901 ¡ | 8-738-716-05 | PICTURE TUBE (17SAFK) | [U/C for Japan-made set, AEP for Japan-made set] |
| ¡ | 8-738-605-94 | ITC ASSY (17SAFK-R3) | |
| ¡ | 8-738-639-90 | ITC ASSY (17SAFK-RS3) [SH] | |

**Sony Corporation**
**Display Company**
**Quality Engineering Dept.**

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